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Section 6 Networking and Wireless

Networking and Wireless

Networking

Wireless Solutions

Wireless Products

Switches - Network

MiLAN's Unmanaged Standalone Switches

TRANSITION NETWORKS

MiLAN's 10/100 Mbps switches are auto-sensing and allow for the seamless integration of 100 Mbps connections while preserving network bandwidth. Each switch combines performance and functionality with a space-saving desktop design.

FEATURES

- Auto-negotiating for full or half duplex
- Flow control and back pressure
- Store and forward switching mode
- All ports Auto MDI/MDIX
- Ruggedized metal chassis
- Full wire-speed switching on all ports

Anixter No.	Vendor No.	Description
237959	MIL-S500	5-port 10/100 Mbps UTP switch
242349	MIL-S800	8-port 10/100 Mbps UTP switch
254282	MIL-S2400S	24-port 10/100BASE-TX switch with 19 in. rack-mount ears
373012	MIL-S4800	48-port 10/100BASE-TX switch with two Gigabit ports

MiLAN's 8-port Switch with Internal Power Supply

TRANSITION NETWORKS

The industry's smallest 8-port switch with an internal power supply, MiLAN's MIL-S800i auto-negotiates 10/100 Mbps connections for fast and simple switching in workgroup, small office and home environments.

Anixter No.	Vendor No.	Description
385371	MIL-S800I-V2	8-port 10/100BASE-TX (RJ45), 100 m

MiLAN's 10/100/1000BASE-T Gigabit Ethernet Switches

TRANSITION NETWORKS

With Gigabit Ethernet rapidly gaining demand in the network, administrators are demanding higher-density 10/100/1000 Mbps switches. MiLAN's Gigabit Ethernet Workgroup switches deliver 8 or 24 ports of Gigabit Ethernet. These reliable switches deliver exceptional performance. Whether you need 10BASE-TX, 100BASE-TX or 1000BASE-T, these switches are ready to run with any version of Ethernet over copper cabling.

UNMANAGED COPPER SWITCHES

Anixter No.	Vendor No.	Description
339003	MIL-S8TA	8-port 10/100/1000BASE-T

UNMANAGED COPPER SWITCHES WITH SFP SLOTS

Anixter No.	Vendor No.	Description
335243	MIL-S24T2GPA	24-port 10/100/1000BASE-T with two SFP ports

ProSafe Unmanaged Rack-mount Switches

NETGEAR

Plug-and-play switches are for businesses in need of a small and simple network. ProSafe unmanaged rack-mount switches are 1U rack-mountable to fit in standard 19 in. racks and are packed with ease-of-use features to simplify your networking experience. Matched with Netgear's thorough testing, the ProSafe unmanaged rack-mount switches provide long-lasting performance you can count on.

FEATURES

- Available with (16) or (24) 10/100BASE-TX or 10/100/1000BASE-T ports
- Up to 2,000 Mbps full-duplex throughput over Cat 5 cables
- Auto-detects speed and duplex
- Full lifetime warranty

FAST ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
353974	JFS524	24-port 10/100BASE-TX rack-mount switch

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Networking and Wireless

Switches - Network

(continued) ProSafe Unmanaged Rack-mount Switches

GIGABIT ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
373293	JGS524	24-port 10/100/1000BASE-T rack-mount switch
374229	JGS516	16-port 10/100/1000BASE-T rack-mount switch
425778	JGS524F	24-port 10/100/1000BASE-T rack-mount switch with two SFP ports

ProSafe Unmanaged Desktop Switches

NETGEAR

Wide range of desktop switches for your small business, home or home office. Switching functionality with a small footprint.

FEATURES
- Silently delivers up to 2,000 Mbps on each port
- Makes it simple to combine Fast Ethernet and Gigabit devices in your network
- Provides maximum performance, connecting up to 10x faster than Fast Ethernet
- Incorporates plug-and-play ease of use
- Full lifetime warranty

FAST ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
354052	FS105	5-port 10/100BASE-TX desktop switch
354050	FS108	8-port 10/100BASE-TX desktop switch
354049	FS116	16-port 10/100BASE-TX desktop switch

GIGABIT ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
354038	GS105	5-port 10/100/1000BASE-T desktop switch
354037	GS108	8-port 10/100/1000BASE-T desktop switch
354034	GS116	16-port 10/100/1000BASE-T desktop switch

POWER OVER ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
354054	FS108P	8-port 10/100BASE-TX desktop switch with 4-port PoE
354053	FS116P	16-port 10/100BASE-TX desktop switch with 8-port PoE
425786	GS108P	8-port 10/100/1000BASE-T desktop switch with 4-port PoE

NetVanta Layer 2 Switches

ADTRAN INC

The portfolio of business-class Fast Ethernet switching solutions is perfect for small-and medium-sized businesses (SMBs) or multi-site enterprise networks. These solutions address today's highest networking priorities, including bandwidth expansion, Voice over IP (VoIP) migration and network security. Robust multiservice access routers with on-board switching also provide a unique, cost-effective WAN/LAN solution for all-in-one SMB networking.

FEATURES
- Low-cost, fully managed Layer 2 Fast Ethernet switch
- Standards-based for ease of interoperability
- Quality of service (QoS) capabilities support mission-critical applications such as VoIP LLDP/LLDP-MED further aids in management by discovering neighboring devices and IP phones
- Cable diagnostics to identify cable plant problems like an open or a short in a twisted pair
- Wi-Fi access controller managing up to 24 ADTRAN wireless access points (WAPs)
- Web-based GUI for device configuration
- 802.3af PoE-enabled models available
- Free firmware updates

NETVANTA MANAGED LAYER 2 SWITCHES

Anixter No.	Vendor No.	Description
374341	1700594G1	NetVanta 1234 24-port managed Layer 2 Fast Ethernet switch
374347	1700595G1	NetVanta 1234 PoE, 24-port managed Layer 2 Fast Ethernet switch, supporting 802.3af Power over Ethernet
374343	1700598G1	NetVanta 1238 48-port managed Layer 2 Fast Ethernet switch
374348	1700599G1	NetVanta 1238 PoE, 48-port managed Layer 2 Fast Ethernet switch, supporting 802.3af Power over Ethernet
374346	1700590G1	NetVanta 1534 26-port managed Layer 2 Gigabit Ethernet switch
374349	1700591G1	NetVanta 1534 PoE, 26-port managed Layer 2 Gigabit Ethernet switch, supporting 802.3af Power over Ethernet

NETVANTA MULTISERVICE ROUTER WITH LAYER 2 SWITCH

Anixter No.	Vendor No.	Description
395414	1200821E1	NetVanta 3448 multiservice router with 8-port Ethernet switch
395415	4200821E11	NetVanta 3448 PoE, single-slot multiservice router supporting two T1s with 8-port PoE switch

Networking and Wireless

Anixter No.	Vendor No.	Description
420901	1200824G1	NetVanta 3458 multiservice router with 8-port Layer 2 Fast Ethernet switch
443961	4200824G11120	NetVanta 3458 PoE, 8-port managed dual NIM Layer 2 Fast Ethernet switch

NetVanta Layer 3 Switches

ADTRAN INC

Within the LAN environment, a Layer 3 switch makes intelligent switching decisions based on the OSI Layer 3 source and destination addresses, similar to that of a router. A standard Layer 2 switch relies on the MAC addresses to make switching decisions. The fundamental difference between the two, is that a Layer 3 switch offers more performance than that of a standard Layer 2 switch.

NetVanta Layer 3 switches combine performance, reliability and security. These switches are perfect for Gigabit to the desktop applications or as an aggregator switch routing between VLANs, therefore segmenting data and voice and offering additional security. In addition, these NetVanta Layer 3 switches offer the optional 802.3af-compliant and legacy PoE requirements to power LAN devices.

FEATURES

- Provides affordable solutions to support today's bandwidth-intensive network applications
- Quality of service (QoS) capabilities support mission-critical applications such as VoIP
- LLDP/LLDP-MED further aids in management by discovering neighboring devices and IP phones
- Cable diagnostics to identify cable plant problems like an open or a short in a twisted pair
- Wi-Fi access controller managing up to 24 ADTRAN wireless access points (WAPs)

NETVANTA MANAGED LAYER 3 SWITCHES

Anixter No.	Vendor No.	Description
397550	1700544G1	NetVanta 1544 28-port managed Layer 3 Gigabit Ethernet switch
397539	1700545G1	NetVanta 1544 PoE, 28-port managed Layer 3 Gigabit Ethernet switch, supporting 802.3af Power over Ethernet
443963	1700546G1120	NetVanta 1544 Fiber 28-port managed Layer 3 Gigabit Ethernet switch

NETVANTA MULTISERVICE ROUTER WITH LAYER 3 SWITCH

Anixter No.	Vendor No.	Description
395417	1700525E2	NetVanta 1335 PoE, single-slot multiservice router with 24-port PoE Layer 2/3 switch
440496	1700515G2120	NetVanta 1335 single NIM 24-port Layer 2/3 switch

MiLAN's 10/100/1000 Multi-layer Managed Switches

TRANSITION NETWORKS

The MIL-SM4004TG is a managed, 4-port Gigabit Ethernet switch with auto-sensing 10/100/1000 ports plus four combo Small Form Pluggable (SFP) ports. The combo SFP ports enable fiber connectivity through four hot-swappable, small form-factor pluggable Gigabit interfaces. In addition, the 1U rack-mount form factor uses less rack space and provides a lower per-port cost than comparable Gigabit Ethernet switches. The MIL-SM24T4DPA is ideal for high-performance server aggregations such as enterprise data centers and high-speed work groups. This managed Layer 2 switch offers (24) 10/100/1000 ports and four dual-speed combo ports.

Anixter No.	Vendor No.	Description
374559	MIL-SM4004TG	Four 10/100/1000BASE-T ports and four 1000BASE-X SFP ports
423401	MIL-SM24T4DPA	24 10/100/1000BASE-T ports and four 100/1000 combo ports

ProSafe Layer 2 Managed Switches

NETGEAR

Netgear ProSafe Layer 2 managed switches are ideal for SMB or branch offices needing reliable, high-performance switching that is easier to use. Full L2 management capability, non-blocking and wire-speed performance provide a secure network foundation optimized for data, wireless and IP communications. Delivering best-in-class networking that is designed to meet the needs of growing networks, these switches are simple to set up and use, with a next-generation browser interface for easy configuration.

FEATURES

- Packet header level control through switch
- ProSupport installation/extended warranty agreements available
- Fiber options available, both single-mode and multimode
- Rack-mountable: rack-mount hardware included
- Full lifetime warranty

FAST ETHERNET SWITCHES
Full Layer 2 Management feature sets including 802.1x, ACL, SSL/SSH and static routing

Anixter No.	Vendor No.	Description
396773	FSM726-300	24-port 10/100BASE-TX managed stackable switch and two Gigabit SFP ports

Switches - Network

(continued) ProSafe Layer 2 Managed Switches

GIGABIT ETHERNET SWITCHES
Full Layer 2 Management feature set including 802.1x, ACLS, SSL/SSH, built-in cable testing and static routing

Anixter No.	Vendor No.	Description
353905	GSM7224-200	24-port 10/100/1000BASE-T and four Gigabit SFP ports
353904	GSM7248-200	48-port 10/100/1000BASE-T and four Gigabit SFP ports

GIGABIT AND 10G ETHERNET SWITCHES
Full Layer 2 Management feature set including 802.1x, ACLS, SSL/SSH, built-in cable testing and static routing

Anixter No.	Vendor No.	Description
425790	GSM7228PS	24-port 10/100/1000BASE-T managed PoE switch and two 10 Gigabit SFP ports with two SFP fiber interface option slots
425792	GSM7252PS	48-port 10/100/1000BASE-T managed PoE switch and two 10 Gigabit SFP ports with two SFP fiber interface option slots
445526	XSM7224-100	4-port 10GBASE-T managed switch and 24 Gigabit SFP ports

ProSafe Layer 3 Managed Switches

NETGEAR

Netgear ProSafe Gigabit Layer 3 managed switches deliver maximum throughput and flexibility where you need it: to high-speed, high-density workgroups at the edge of the network, in the backbone of growing networks or for bandwidth-thirsty file and application servers.

The full wire-speed, non-blocking design with Layer 3 switching functionality ensures reliable routing between VLANs and network segmentation.

Robust security, quality of service, and management features deliver intelligent edge connectivity for essential business applications.

FEATURES
- Auto-sensing Gigabit 10/100/1000 Mbps ports with 10GbE uplinks high-speed stacking ports (up to eight switches)
- Web-based management or command line interface (CLI) configuration
- IEEE Industry Standards compatible. UL, CE and CSA Certified. FCC Part 15 Class A
- VLAN, SNMP, RMON, OSPF, IGMP Support, VRRP standards capable and compliant
- Full packet level control through switch
- Power over Ethernet options for high-density VoIP applications
- Full lifetime warranty

GIGABIT AND 10G HIGH-DENSITY FIBER SWITCH

Anixter No.	Vendor No.	Description
353814	GSM7328FS	24-port managed Gigabit SFP interfaces and four combo ports of 10/100/1000 Mbps
445595	XSM7224L-10000S	L3 license upgrade

GIGABIT WITH 10 GB OPTIONS

Anixter No.	Vendor No.	Description
353846	GSM7352S-200	48-port 10/100/1000BASE-T managed switch with four 10 Gigabit slots
353847	GSM7328S-200	24-port 10/100/1000BASE-T managed switch with four 10 Gigabit slots

LAYER 3 SWITCH ACCESSORIES
Adds 10 Gigabit Ethernet fiber connectivity to the GSM7328S and GSM7352S via the AX741 adapter module

Anixter No.	Vendor No.	Description
353870	AXM751	10GBASE-SR XFP optics module - 10 Gbps fiber SFP module short-reach
353867	AXM752	10GBASE-LR XFP optics module - 10 Gbps fiber SFP module long-reach
425795	AXM761	10GBASE-SR SFP+ LC GBIC - 10 Gbps LC fiber SFP module long-reach
425799	AXM762	10GBASE-LR SFP+ LC GBIC - 10 Gbps LC fiber SFP module long-reach
353874	AGM731F	GBIC module 1000BASE-SX fiber SFP - 1 Gbps fiber SFP SX module
353873	AGM732F	GBIC module 1000BASE-LX fiber SFP - 1 Gbps fiber SFP ZX module
353872	AGM733	GBIC module 1000BASE-ZX fiber SFP - 1 Gbps fiber SFP ZX module

ADAPTER MODULE
Interoperates with standard 10GBASE-X XFP optics modules

Anixter No.	Vendor No.	Description
353877	AX741	10 Gigabit Ethernet XFP adapter module
425801	AX743	10 Gigabit Ethernet SFP+ adapter module
425803	AX744	10 Gigabit Ethernet CX4 module
353876	AX742	24 Gigabit stacking kit

ProSafe Smart Managed Switch

NETGEAR

Netgear ProSafe Smart switches deliver reliable management and expandability without the cost and complexity of a full Layer 2 and Layer 3 management implementation.

FEATURES
- Intuitive Web browser interface
- Includes key Layer 2/3 management features including monitoring and configuring ports
- Advanced Smart switches include access control lists, port trunking, rate limiting, spanning tree, IGMP, etc.
- Incorporates plug-and-play ease of use
- Full lifetime warranty

FAST ETHERNET

Anixter No.	Vendor No.	Description
396790	FS726T	24-port 10/100 Smart switch with two Gigabit ports
396792	FS750T2	48-port 10/100 Smart switch with two Gigabit ports

FAST ETHERNET WITH POWER OVER ETHERNET

Anixter No.	Vendor No.	Description
353917	FS726TP	24-port 10/100BASE-TX Smart switch with 12 PoE ports and two SFP slots
353914	FS728TP	24-port 10/100BASE-TX Smart switch with 24 PoE ports and two SFP slots

GIGABIT

Anixter No.	Vendor No.	Description
396782	GS108T	8-port 10/100/1000BASE-T Smart switch
395420	GS724T	24-port 10/100/1000BASE-T Smart switch
396783	GS748T	48-port 10/100/1000BASE-T Smart switch
396786	GS724TS	24-port 10/100/1000BASE-T stackable Smart switch
396787	GS748TS	48-port 10/100/1000BASE-T stackable Smart switch

Cisco Catalyst 2960 Series Switches

CISCO SYSTEMS

The Cisco Catalyst 2950 Series Switch is a fixed-configuration, stackable standalone switch that provides wire-speed Fast Ethernet and Gigabit Ethernet connectivity. This switch offers two distinct sets of software features and a range of configurations to allow small, midsize and enterprise branch offices, and industrial environments to select the right combination for the network edge. Standard Image Software offers Cisco IOS Software functions for basic data, voice and video services. For networks with requirements for additional security, advanced quality of service (QoS), and high availability, Enhanced Image Software delivers intelligent services such as rate limiting and security filtering for deployment at the network edge.

CATALYST 2960 SERIES

Anixter No.	Vendor No.	Description
422188	WS-C2960-8TC-S	8-port 10/100BASE-TX switch and one SFP-based Gigabit Ethernet uplink port
422216	WS-C2960-24TC-S	24-port 10/100BASE-TX switch and two SFP-based Gigabit Ethernet uplink ports
422262	WS-C2960-24PC-S	24-port 10/100BASE-TX PoE switch and two SFP-based Gigabit Ethernet uplink ports
422303	WS-C2960-48TC-S	48-port 10/100BASE-TX switch and two SFP-based Gigabit Ethernet uplink ports
422304	WS-C2960G-24TC-L	24-port 10/100/1000BASE-T switch and two SFP-based Gigabit Ethernet
422305	WS-C2960G-48TC-L	48-port 10/100/1000BASE-T switch and four empty SFP ports

Cisco Catalyst 3560 Series Switches

CISCO SYSTEMS

The Cisco Catalyst 3560 is an ideal access layer switch for small enterprise LAN access or branch-office environments, enabling the deployment of new applications such as IP telephony, wireless access, video surveillance, building management systems and remote video kiosks. Customers can deploy network-wide intelligent services - such as advanced quality of service (QoS), rate limiting, access control lists (ACLs), multicast management and high-performance IP routing - while maintaining the simplicity of traditional LAN switching.

FAST ETHERNET

Anixter No.	Vendor No.	Description
445446	WS-C3560V2-24TS-S	24-port 10/100BASE-TX and two empty SFP ports
445448	WS-C3560V2-48TS-S	48-port 10/100BASE-TX and four empty SFP ports
445449	WS-C3560VS-24PS-S	24-port 10/100BASE-TX with PoE and two empty SFP ports
443145	WS-C3560V2-48PS	48-port 10/100BASE-TX with PoE and four empty SFP ports

GIGABIT ETHERNET

Anixter No.	Vendor No.	Description
425473	WS-C3560G-24TS-S	24-port 10/100/1000BASE-T and four empty SFP ports
425474	WS-C3560G-48TS-S	48-port 10/100/1000BASE-T and four empty SFP ports
425477	WS-C3560G-24PS-S	24-port 10/100/1000BASE-T with PoE and four empty SFP ports
425478	WS-C3560G-48PS-S	48-port 10/100/1000BASE-T with PoE and four empty SFP ports

Switches - Network

Cisco Catalyst 3750 Series Switches

CISCO SYSTEMS

The Cisco Catalyst 3750 Series switches are an innovative product line that improves LAN operating efficiency by combining industry-leading ease of use and the highest resiliency available for stackable switches. It represents the next generation in desktop switches, and features Cisco StackWise technology, a 32-Gbps stack interconnect that allows customers to build a unified, highly resilent switching system - one switch at a time.

FAST ETHERNET

Anixter No.	Vendor No.	Description
380141	WS-C3750-24TS-S	24-port 10/100BASE-TX and two empty SFP ports
422308	WS-C3750-48TS-S	48-port 10/100BASE-TX and four empty SFP ports
425375	WS-C3750-24FS-S	24-port 10/100BASE-FX and two empty SFP ports
422306	WS-C3750-24PS-S	24-port 10/100BASE-TX with PoE and two empty SFP ports
425370	WS-C3750-48PS-S	48-port 10/100BASE-TX with PoE and four empty SFP ports

GIGABIT ETHERNET

Anixter No.	Vendor No.	Description
368145	WS-C3750G-24T-S	24-port 10/100/1000BASE-T
422311	WS-C3750G-12S-SD	12-port 10/100/1000BASE-T and 12 empty SFP ports
422312	WS-C3750G-48TS-S	48-port 10/100/1000BASE-T and four empty SFP ports
425377	WS-C3750G-24PS-S	24-port 10/100/1000BASE-T with PoE and four empty SFP ports
425378	WS-C3750G-48PS-S	48-port 10/100/1000BASE-T with PoE and four empty SFP ports

HP V-Series Switches

HEWLETT PACKARD

FEATURES

- Smart-managed Layer 2 switching
- Gigabit and Fast Ethernet configurations
- Intuitive Web interface for network enhancements
- Access control list security; PoE models

HP V1905 SERIES
HP V1905 series devices are smart-managed fixed configuration fast Ethernet and Gigabit Layer 2 switches designed for small-and medium-sized businesses looking for an easily managed, low-cost networking solution.

Anixter No.	Vendor No.	Description
439820	JD877A	HP V1905-8-POE, 8-port 10/100 managed PoE switch with one combo Gigabit SFP
439841	JD990A	HP V1905-24-POE, 24-port 10/100 managed PoE switch with two combo Gigabit SFP
439813	JD864A	HP V1905-10G-POE, 10-port 10/100/1000 managed PoE switch with one shared SFP

HP V1910 SERIES
HP V1910 series devices are smart-managed, voice-ready fixed configuration Gigabit Layer 2+ switches which also have Layer 3 static routing unlike the HP V1905 series. The HP V1910 series is designed for small-and mid-sized businesses looking for an easy-to-manage advanced networking solution.

Anixter No.	Vendor No.	Description
439848	JE008A	HP V1910-24G-POE (170W), 24-port 10/100/1000 managed PoE switch with four SFP
439847	JE007A	HP V1910-24G-POE (365W), 24-port 10/100/1000 managed PoE switch with four SFP

HP V-SERIES ACCESSORIES

Anixter No.	Vendor No.	Description
439464	X120 LC SX	X120 SFP (mini-GBIC) transceiver module - 1000BASE-SX - LC
439491	X120 RJ45	X120 SFP (mini-GBIC) transceiver module - 1000BASE-T - RJ45
439492	X120 LC LX	X120 SFP (mini-GBIC) transceiver module - 1000BASE-LX - LC
439678	X124	X124 SFP (mini-GBIC) transceiver module - 1000BASE-SX - LC - plug-in module

Networking and Wireless

HP E-Series Switches

HEWLETT PACKARD

The HP E-Series Switches support network redundancy at Layer 2 and Layer 3, networks supporting IPv4 and IPv6 as well as OSPFv2 and OSPFv3 and IP multicast supported network systems. The HP E-Series also offers a lot of flexibility and features when comes to managing your network.

FEATURES

- Enhanced availability
- Modular and fixed-port switching form factors
- Supports data, voice, video and guest access
- N+1 redundancy
- Layer 2 and 3

HP E2610 SWITCH SERIES

The HP E2610 Switch series is a cost-effective solution for customers who are building converged enterprise edge networks. The HP E2610-24-PPoE, E2610-24-PoE and E2610-48-PoE Switches are IEEE 802.3af compliant for Power over Ethernet (PoE) and provide up to 15.4 W for 12, 24, and 48 ports. The HP E2610 Switch Series also comes with static routing, robust security and management features.

Anixter No.	Vendor No.	Description
438146	J9086A ABA	HP E2610-24-PPoE, 24-port managed 10/100 switch with 12 PoE ports and two SFP-based Gigabit Ethernet uplink ports
438147	J9087A ABA	HP E2610-24-PoE, 24-port managed PoE managed switch with two SFP-based Gigabit Ethernet uplink ports
438148	J9089A ABA	HP E2610-48-PoE, 48-port managed PoE managed switch with two SFP-based Gigabit Ethernet uplink ports

HP E2910 SWITCH SERIES

The HP E2910 Switch Series is a cost-effective, scalable solution for customers who are building high-performance networks. These switches can be deployed at enterprise edge and remote branch offices, converged networks and data center top of rack. The HP E2910 Switch Series also comes with static and RIP IPv4 routing, robust security and management and enterprise-class features.

Anixter No.	Vendor No.	Description
438149	J9146A ABA	HP E2910-24G-PoE, 24-port managed PoE managed switch with four SFP-based Gigabit Ethernet uplink ports
438151	J9148A	HP E2910-48G-PoE, 48-port managed PoE managed switch with four SFP-based Gigabit Ethernet uplink ports

HP E3500 SWITCH SERIES

The HP E3500 Switch Series offers excellent investment protection, flexibility and scalability, as well as ease of deployment, operation and maintenance. The E3500 series consists of the most advanced intelligent edge switches in the HP Networking product line. The foundation for all these switches is a purpose-built,

programmable ProVision ASIC that allows the most demanding networking features, such as quality of service (QoS) and security with a variety of Gigabit and 10/100 interfaces; integrated PoE+, PoE and non-PoE options; and versatile 10 GbE connectivity (CX4, X2 and SFP+) on Gigabit switches.

Anixter No.	Vendor No.	Description
438153	J9310A ABA	HP E3500-24G-POE, 24-port 10/100/1000 managed PoE switch with four SFP

HP E6200 SWITCH SERIES

The HP E6200 Switch Series is designed to be deployed as an aggregator of traffic from the edge to the core of the network, this switch is an advanced Layer 3 stackable switch in 1U height. The HP E6200 Switch Series also supports a variety of Gigabit mini-GBICs, such as SX, LX, LH and 1000BASE-T. With its high-performance architecture, 10 GbE capability, and programmable ASIC, this switch offers excellent investment protection, flexibility and scalability.

Anixter No.	Vendor No.	Description
438156	J8992A ABA	HP E6200-24G-mGBIC, L3 managed PoE switch with 24 SFP

HP E-SERIES ACCESSORIES

Anixter No.	Vendor No.	Description
438158	J4858C	HP ProCurve Gigabit SFP (mini-GBIC) transceiver module — 1000BASE-SX — LC - plug-in module
438159	J4859C	HP ProCurve Gigabit SFP (mini-GBIC) transceiver module — 1000BASE-LX - LC - plug-in module
438160	J8177C	HP ProCurve Gigabit SFP (mini-GBIC) transceiver module — 1000BASE-T

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6.7

Switches - Power over Ethernet

NetVanta Power over Ethernet Switches

ADTRAN INC

Fully managed 24- and 48-port Fast and Gigabit Power over Ethernet (PoE) switches are optimized for implementing data networks requiring PoE for IP phones, wireless access points (WAPs), IP surveillance cameras and other 802.3af-powered devices. These products also offer a unique power conservation feature by powering down devices when not in use or scheduling when to turn off power after business hours to minimize security risks.

FEATURES
- Link aggregation, LLDP and LLDP/MED
- Support for up to 255 active VLANs
- Wi-Fi access controller for centralized management of NetVanta wireless access points (WAPs)
- Recognizable command line interface (CLI) and ease to use Web GUI
- Cable diagnostics identify cable length and detects shorts or open twisted pair

NETVANTA POE MANAGED SWITCHES

Anixter No.	Vendor No.	Description
374347	1700595G1	NetVanta 1234 PoE, 24-port managed Layer 2 Fast Ethernet switch, supporting 802.3af Power over Ethernet
374348	1700599G1	NetVanta 1238 PoE, 48-port managed Layer 2 Fast Ethernet switch, supporting 802.3af Power over Ethernet
374349	1700591G1	NetVanta 1534 PoE, 26-port managed Layer 2 Gigabit Ethernet switch, supporting 802.3af Power over Ethernet
397539	1700545G1	NetVanta 1544 PoE, 28-port managed Layer 3 Gigabit Ethernet switch, supporting 802.3af Power over Ethernet
443962	4700569F1	NetVanta 1638 PoE, 48-port managed Layer 3 Gigabit Ethernet switch, supporting 802.3af Power over Ethernet

NETVANTA MULTISERVICE ROUTER WITH POE SWITCH

Anixter No.	Vendor No.	Description
395415	4200821E11	NetVanta 3448 PoE, single-slot multiservice router supporting two T1s with 8-port PoE switch
395417	1700525E2	NetVanta 1335 PoE, single-slot multiservice router with 24-port PoE Layer 2/3 switch
443961	4200824G11120	NetVanta 3458 PoE, 8-port managed dual NIM Layer 2 Fast Ethernet switch

Remotely Managed PoE Switches

TRANSITION NETWORKS

This switch series is fully compatible with devices that comply with the IEEE 802.3af Standard and is capable of inserting power on the data pairs of the MDI to provide power to PD devices like network cameras and wireless access points. Management features include port-based, dynamic and static VLANs, GVRP, VLAN Tagging, IGMP Snooping, port mirroring, port security and virtual IP stacking.

Anixter No.	Vendor No.	Description
351800	MIL-SM802GAF	8-port 10/100 PoE remotely-managed switch with four PoE injector ports and one Gigabit combo port
351798	MIL-SM8TXAF2GPA	8-port 10/100 PoE remotely-managed switch with two Gigabit combo ports
330202	MIL-SM2401MAF	24-port 10/100 PoE remotely-managed switch with two 1000BASE-T uplink SFP ports
386916	SISPM1040-182D-LRT	8-port 10/100/1000 industrial rated PoE switch with two 10/100/1000 combo ports, -40ºC to +65ºC operating temp.

PES42P Magnum Power over Ethernet Edge Switch

GARRETTCOM

The PES42P is a small, compact plug-and-play switch that combines standard 802.3af PoE with an industrial-grade edge switch for support of PoE device clusters. PES42P models with one- or two-fiber ports also provide noise immunity and high bandwidth. The outdoor temperature rating makes it ideal to handle heavy-duty applications for IP video surveillance, wireless and access security.

FEATURES
- Temperature-rated for outdoor environments
- Two integrated, non-PoE 100 Mb copper or fiber ports
- Four Power Source PoE ports per the IEEE 802.3af Standard
- 48 V DC power input
- Compact industrial-grade metal outer case
- Power alarm relay
- Mounting options include panel, rack or DIN-rail

Anixter No.	Vendor No.	Description
353772	PES42P-48VDC	Two 10/100 non-PoE ports and four 10/100 RJ45 PoE ports
353773	PES42P-1SC-48VDC	One SC multimode non-PoE 100 Mb fiber port, one standard 10/100 port and four 10/100 RJ45 PoE ports
353774	PES42P-2SC-48VDC	Two SC multimode non-PoE 100 Mb fiber ports and four 10/100 RJ45 PoE ports
353775	PES42P-1SSC-48VDC	One SC single-mode non-PoE 100 Mb fiber port, one standard 10/100 port and four 10/100 RJ45 PoE ports
353776	PES42P-2SSC-48VDC	Two SC single-mode non-PoE 100 Mb fiber ports and four 10/100 RJ45 PoE ports

ProSafe Power over Ethernet Switches

NETGEAR

PoE optimizes the installation and power management of IEEE 802.3af Standard-based network devices such as access points, VoIP phones and IP-based surveillance cameras. PoE reduces installation costs and frees your wireless deployment from restrictions due to power outlet locations.

FEATURES
- Dynamic routing and QoS capabilities enable VoIP and videoconferencing
- Power over Ethernet (802.3af PoE), with redundant power supply port
- All 24- and 48- RJ45 ports automatically negotiate to the highest speed and support Auto Uplink technology to make the right link
- Full lifetime warranty

FAST ETHERNET SMART SWITCH WITH POWER OVER ETHERNET

Anixter No.	Vendor No.	Description
353917	FS726TP	24-port 10/100BASE-TX Smart switch with 12 PoE ports and two SFP slots
353914	FS728TP	24-port 10/100BASE-TX Smart switch with 24 PoE ports and two SFP slots
353915	FS752TPS	48-port 10/100BASE-TX stackable Smart switch with 24 PoE ports and four Gigabit ports

GIGABIT ETHERNET SMART SWITCH WITH POWER OVER ETHERNET

With a total power budget of 192 W for the GS724TP and 384 W for the GS748TP, customers can choose to plug in up to 48 IEEE 802.3af IP-based devices

Anixter No.	Vendor No.	Description
425822	GS110TP	8-port 10/100/1000BASE-T Smart PoE switch with two Gigabit fiber SFP slots
353912	GS748TP	48-port 10/100/1000BASE-T Smart PoE switch
353913	GS724TP	24-port 10/100/1000BASE-T Smart PoE switch
396775	GS724TPS	24-port 10/100/1000BASE-T stackable Smart PoE switch
396777	GS748TPS	48-port 10/100/1000BASE-T stackable Smart PoE switch

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6.9

Switches - Ruggedized

6K32F Magnum Series Rack-mount Switch

GARRETTCOM

The Magnum 6K32F managed switch is ideal for the core Ethernet services of industrial networks. It provides great configurability with the added benefit of PoE, high-fiber and Gigabit density where needed. All in a 1U rugged metal case. This switch is also available in a reverse rack-mount package that provides LEDs for status monitoring in the front, all port and power cables in the rear with a second set of LEDs at each port. A convection-cooled version with no fans is also available. (Call for details on convection-cooled version, reverse rack-mount option or additional module options not listed.)

FEATURES

- Four modular slots to support up to 32 ports of 10/100/1000 Mb copper, fiber and PoE
- Available in AC or DC power options and dual-source power inputs for DC
- Temperature rating -45° to 85°C
- Robust network management including secure Web browser, CLI, SNMPv3, RADIUS, TACACS+, VLANs, RSTP, QoS, IGMP Snooping, Syslog and more

CHASSIS

Anixter No.	Vendor No.	Description
373440	6K32F	Empty switch chassis, AC power, four open module slots
373441	6K32F-24VDC	Empty switch chassis, 24 V DC power, four open module slots
373442	6K32F-48VDC	Empty switch chassis, 48 V DC power, four open module slots
373443	6K32F-125VDC	Empty switch chassis, 125 V DC power, four open module slots

6K32F 10 MB AND 100 MB COPPER AND FIBER MODULE OPTIONS

Anixter No.	Vendor No.	Description
353711	6KP8-MLC	Fiber module with eight 100 Mb 2 km multimode FX LC ports
353712	6KP8-SLC	Fiber module with eight 100 Mb 15 km single-mode FX LC ports
353713	6KP4-FXSC	Fiber module with four 100 Mb 2 km FX SC ports
353714	6KP4-F10ST	Fiber module with four 10 Mb 2 km multimode ST ports
353715	6KP8-RJ45	Copper module with eight 10/100 Mb RJ45 ports
353716	6KP8-45-2SLC	6+2 module with six 10/100 RJ45 and two 100 Mb 15 km single-mode FX LC ports

Anixter No.	Vendor No.	Description
353717	6KP8-45MLC	4+4 module with four 10/100 RJ45 and four 100 Mb 2 km multimode FX LC ports
353718	6KP8-45SLC	4+4 module with four 10/100 RJ45 and four 100 Mb 15 km single-mode FX LC ports
353719	6KP6-RJMSC	4+2 module with four 10/100 RJ45 and two 100 Mb 2 km multimode FX SC ports
278011	6KP6-RJSSC	4+2 module with four 10/100 RJ45 and two 100 Mb 20 km single-mode FX SC ports
353721	6KP6-RJ10ST	4+2 module with four 10/100 RJ45 and two 10 Mb 2 km FL ST ports
353722	6KM-BLNK	Blank cover for one 6K open module slot

6K32F POWER OVER ETHERNET MODULE OPTIONS (REQUIRES 48 V DC CHASSIS, EIGHT POE PORTS MAX PER SWITCH)

Anixter No.	Vendor No.	Description
353725	P6KP8-RJ45	8-port 10/100 Mb PoE module for 6K32F with 48 V DC power
353726	P6KP6-RJMSC	4+2 module for 6K32F with 48 V DC power, four 10/100 PoE RJ45 and two 100 Mb 2 km multimode FX SC ports
353727	P6KP6-RJSSC	4+2 module for 6K32F with 48 V DC power, four 10/100 PoE RJ45 and two 100 Mb 20 km single-mode FX SC ports

GIGABIT MODULES USING GBICS

Anixter No.	Vendor No.	Description
353728	6KP5-G4RJ	G+4 module with one GBIC open transceiver port, plus four 10/100 Mb copper ports. Must add one GBIC transceiver
353729	6KP3-G2SC	G+2 module with one GBIC open transceiver port, plus two 100 Mb 2 km FX SC fiber ports. Must add one GBIC transceiver

GBIC TRANSCEIVER OPTIONS

Anixter No.	Vendor No.	Description
353732	GBIC-SXSC	One 1000BASE-SX multimode SC fiber port
353733	GBIC-LXSC10	One 1000BASE-LX/LH SC fiber port 1310 nm 10 km single-mode
353734	GBIC-LXSC25	One 1000BASE-LX/LH SC fiber port 1310 nm 25 km single-mode
353735	GBIC-TP	One 802.3ab 1000BASE-T RJ45 port

6K32F FIXED PORT GIGABIT MODULE OPTIONS

Anixter No.	Vendor No.	Description
373444	6KP1-1GCU	One 1000BASE-T RJ45 port
353737	6KP2-2GSX	Two Gigabit fiber SX SC (1000BASE-SX multimode) ports
353738	6KP2-2GCU	Two Gigabit (10/100/1000BASE-T) ports

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6K32F GIGABIT MODULES USING SFP TRANSCEIVERS

Anixter No.	Vendor No.	Description
373445	6KP2-2GSFP	Gigabit module with two SFP fiber ports - must add two SFP transceivers
373448	6KP2-1GCU1SFP	One Gigabit copper 1000BASE-T RJ45 port and one SFP fiber port - must add one SFP transceiver
373449	6KP1-1GSFP	One SFP fiber port - must add one SFP transceiver

SFP FIBER TRANSCEIVER OPTIONS

Anixter No.	Vendor No.	Description
353744	SFP-SX	1000 Mb SX Gigabit fiber optic SFP transceiver, 850 nm, 550 m
353745	SFP-LX10	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 10 km
353746	SFP-LX25	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 25 km

6K32F OPTIONAL ACCESSORIES

Anixter No.	Vendor No.	Description
353747	DUAL-SRC	Two power inputs of the same DC voltage (24, 48 or 125 V DC) for 6K Series switches
353748	ALARM TERMBLK	Alarm contacts, one for PWR and one software controlled
353749	CONSOLE-CBLQD	Console cable, serial "Null Modem" RJ45 to DB-9
353750	CONSOLE-CBLQU	Console cable, serial "Null Modem" RJ45 to USB

S14 Magnum Convenient Switch

GARRETTCOM

The S14 is a small, compact, ruggedized plug-and-play switch designed to add convenient, cost-effective network connections anywhere. Three temperature-rated options make it suitable for the office, factory floor and outdoors.

FEATURES
- Four 10/100 copper ports
- Available in AC or DC power options
- Heavy metal outer case
- Mounting options include panel, rack or DIN-rail

INDOOR OFFICE GRADE MODEL (0°C TO +40°C)

Anixter No.	Vendor No.	Description
353751	S14-D	Four 10/100 RJ45 ports, AC power

HARDENED FACTORY FLOOR MODEL (-25°C TO +60°C)

Anixter No.	Vendor No.	Description
353752	S14H-HD	Four 10/100 RJ45 ports, AC power
353754	S14H-12VDC	Four 10/100 RJ45 ports, 12 V DC power
353755	S14H-24VDC	Four 10/100 RJ45 ports, 24 V DC power
353756	S14H-48VDC	Four 10/100 RJ45 ports, 48 V DC power

OUTDOOR PREMIUM MODEL (-40°C TO +75°C)

Anixter No.	Vendor No.	Description
353757	S14P-PD	Four 10/100 RJ45 ports, AC power
353758	S14P-12VDC	Four 10/100 RJ45 ports, 12 V DC power
353759	S14P-24VDC	Four 10/100 RJ45 ports, 24 V DC power
353760	S14P-48VDC	Four 10/100 RJ45 ports, 48 V DC power

PS14P Magnum Power over Ethernet Convenient Switch

GARRETTCOM
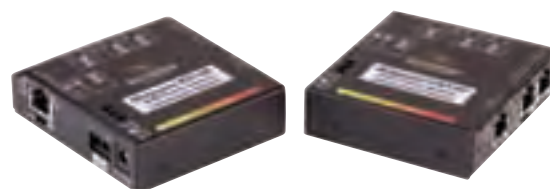
The PS14P is a small, compact, plug-and-play PoE power-sourcing switch with four 10/100 RJ45 PoE ports. The outdoor temperature rating makes it ideal to handle heavy-duty applications for IP video surveillance, wireless and access security.

FEATURES
- Temperature-rated for outdoor environments
- Supports Power Source PoE per the IEEE 802.3af Standard
- 48 V DC power input
- Compact industrial-grade metal outer case
- Mounting options include panel, rack or DIN-rail

Anixter No.	Vendor No.	Description
353777	PS14P-48VDC	Four 10/100 RJ45 PoE ports

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6.11

Networking and Wireless

Switches - Ruggedized

CSG14 Magnum Gigabit Converter Switch

GARRETTCOM

The CSG14P is a small, compact, plug-and-play converter switch that combines a Gigabit fiber media converter with a two-port 10/100/1000 copper switch. The outdoor temperature rating makes it ideal to handle heavy-duty applications for IP video surveillance and access security.

FEATURES

- One Gigabit fiber port and two 10/100/1000 Mb standard copper or PoE ports
- Compact industrial-grade metal outer case
- Comes with an option for PoE
- Mounting options include panel, rack or DIN-rail

GIGABIT CONVERTER SWITCH

Anixter No.	Vendor No.	Description
373927	CSG14P-SFP-PD	One open SFP Gigabit fiber transceiver port and two 10/100/1000 Mb RJ45 ports, AC power (add one SFP transceiver)
373928	CSG14P-SFP-12VDC	One open SFP Gigabit fiber transceiver port and two 10/100/1000 Mb RJ45 ports, 12 V DC power (add one SFP transceiver)
373929	CSG14P-SFP-24VDC	One open SFP Gigabit fiber transceiver port and two 10/100/1000 Mb RJ45 ports, 24 V DC power (add one SFP transceiver)
373930	CSG14P-SFP-48VDC	One open SFP Gigabit fiber transceiver port and two 10/100/1000 Mb RJ45 ports, 48 V DC power (add one SFP transceiver)
373931	PCSG14P-SFP-48VDC	One open SFP Gigabit fiber transceiver port and two 10/100/1000 Mb PoE ports, 48 V DC power (add one SFP transceiver)

SFP TRANSCEIVER OPTIONS

Anixter No.	Vendor No.	Description
353744	SFP-SX	1000 Mb SX Gigabit fiber optic SFP transceiver, 850 nm, 550 m
374560	SFP-ESX	1000 Mb SX extended distance Gigabit fiber optic SFP transceiver, 1310 nm, 2 km
353745	SFP-LX10	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 10 km
353746	SFP-LX25	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 25 km

10/100 Industrial Unmanaged Switches

TRANSITION NETWORKS

Eliminate EMI and RFI issues and overcome distance limitations with copper-based cabling by using an industrial media converter or switch. Transition Networks' industrial products are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments. Advanced features include AutoCross, Auto-negotiation, dry contact relays and redundant DC power inputs.
Operating temperature: -40°C to +75°C.

Anixter No.	Vendor No.	Description
423402	SISTF1010-250-LRT	5-port 10/100BASE-TX RJ45, -40°C to +75°C operating temp.
423404	SISTF1010-280-LRT	8-port 10/100BASE-TX RJ45, -40°C to +75°C operating temp.
373485	SISTF1040-162D-LRT	16-port 10/100BASE-TX RJ45 with two 10/100/1000 combo ports, -40°C to +75°C operating temp.
373905	SISTP1013-141-LRT	4-port 10/100 industrial-rated PoE switch with one 100BASE-MM, (SC), 2 km, -40°C to +75°C operating temp.
373906	SISTP1014-141-LRT	4-port 10/100 industrial-rated PoE switch with one 100BASE-SM, (SC), 20 km, -40°C to +75°C operating temp.
434454	SISTF1011-241-LRT	4-port 10/100BASE-TX RJ45 to one 100BASE-FX, 1300 nm, multimode ST, 2 km, -40°C to +75°C operating temp.
434455	SISTF1013-241-LRT	4-port 10/100BASE-TX RJ45 to one 100BASE-FX, 1300 nm, multimode SC, 2 km, -40°C to +75°C operating temp.
434457	SISTF1014-241-LRT	4-port 10/100BASE-TX RJ45 to one 100BASE-FX, 1300 nm, single-mode SC, SM, 2 km, -40°C to +75°C operating temp.

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Industrial Managed Switches

TRANSITION NETWORKS

Eliminate EMI and RFI issues and overcome distance limitations with copper-based cabling by using an industrial media converter or switch. Transition Networks' industrial products are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments. Advanced features include AutoCross, Auto-negotiation, dry contact relays and redundant DC power inputs.

Anixter No.	Vendor No.	Description
351903	SISTM1010-180-LRT	Eight 10/100BASE-TX RJ45 ports, -40°C to +75°C operating temp.
351904	SISTM1011-162-LRT	Six 10/100BASE-TX RJ45 ports to two 100BASE-FX ports, 1300 nm, MM, ST, 2 km, -40°C to +75°C operating temp.
351905	SISTM1013-162-LRT	Six 10/100BASE-TX RJ45 ports to two 100BASE-FX ports, 1300 nm, MM, SC, 2 km, -40°C to +75°C operating temp.
351906	SISTM1014-162-LRT	Six 10/100BASE-TX RJ45 ports to two 100BASE-FX ports, 1310 nm, SM, SC, 20 km, -40°C to +75°C operating temp.
419370	SISGM1040-244-LRT	Four 10/100/1000BASE-T RJ45 ports with four 100/1000 SFP combo ports, -10°C to +75°C operating temp.
406741	SISGM1040-262D-LR	Six 10/100/1000BASE-T RJ45 ports with two 100/1000 SFP combo ports, -10ºC to +50ºC operating temp.

SPIDER Hardened Ethernet Switches

HIRSCHMANN

The SPIDER family of switches provides users with an economical, yet highly reliable Ethernet switch. All copper/RJ45 ports are 10/100 auto-negotiating and auto-crossing, the SPIDERS will work with either patch or cross-over cables. The fiber ports are all 100 Mbps and available in multimode (MM) and single-mode (SM) with either SC or ST sockets.

SPECIFICATIONS
1. Simple and cost-effective Ethernet switch
2. Up to 10 ports with multimode and single-mode fiber options
3. 0°C to +60°C standard operating temperature (-40°C to +70°C available)
4. 24 (9.6 - 32) V DC power input and DIN-rail mount
5. Average MTBF exceeds 100 years

> Contact your local sales representative or call us for more information.

RS2 Ethernet Switches

HIRSCHMANN

These store and forward switches offer advanced features such as redundant power inputs and most offer fault relay (triggerable by loss of power and/or port-link). Standard features include 10/100 auto-negotiating and auto-crossing (either patch or cross-over cables will work in the ports), a 0°C to +60°C operating range, a 24 V DC power input via pluggable terminal block and have an average MTBF exceeding 100 years. All of the multimode and single-mode fiber optic ports are 100 Mbps and are available in a variety of connector options.

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6.13

Switches - Ruggedized

MACH100 Ethernet Switches

HIRSCHMANN

MACH100

Offered in these versions:

- Eight or 24 permanently installed 10/100 Mbps RJ45 Ethernet ports
- Eight permanent ports, slots for two additional 8-port copper/fiber media modules and two Gigabit RJ45/SFP ports
- 16 Gigabit RJ45/SFP combo ports

The fan-less switches are designed for a temperature range of 0°C to +50°C and support a large range of management and redundancy modes, as well as several functions for configuration and diagnostics.

SPECIFICATIONS

1. Fan-less 0°C to +50°C operating temperature
2. Hot-swappable media modules
3. Single or dual 110/220 V AC power inputs
4. Fast and easy setup and configuration

> Contact your local sales representative or call us for more information.

MACH1000 Ethernet Switches with PoE

HIRSCHMANN

MACH1000 - available with PoE

The MACH1000 switches support a large range of management and redundancy modes, as well as several functions for configuration and diagnostics. Thousands of port, temperature and power combinations are possible.

The MACH1000 is available in two 19 in. rack-mount versions:

- 24-port mix of any RJ45 or M12 copper or SC, SFP, ST or MTRJ fiber (multi or single-mode) with an optional two or four additional Gigabit combo port uplinks (RJ45 and/or SFP for fiber)
- 16 Gigabit RJ45/SFP combo ports

SPECIFICATIONS

1. 24 ports of almost any copper/fiber mix or 16 RJ45/SFP combo ports
2. Up to four PoE (full 15.4 W per port, IEEE 802.3af compliant)
3. Fan-less -40°C to +85°C (70° for all-Gigabit) standard operating temperature (conformal coating available)

4. Meets/exceeds NEMA TS-2 standard for traffic control equipment
5. Redundant 24/36/48 V DC or 120/250 V DC and 110/230 V AC
6. Fast and easy setup and configuration
7. Extremely efficient components for minimal heat generation and high MTBF (mean time between failure)

> Contact your local sales representative or call us for more information.

MACH4000 Ethernet Switches with PoE

HIRSCHMANN

MACH4000 - available with PoE

Capable of providing as many as 48 Gigabit ports and three 10 Gigabit ports, the MACH4000 is the ultimate high-density Layer 2/3 Gigabit backbone switch for mission-critical applications requiring high availability and high port densities.

The MACH4000 comes standard with up to 16+ ports and can be configured with as many as 32 additional ports (via hot-plug copper/fiber modules).

SPECIFICATIONS

1. 19 in. rack-mount
2. Two user-definable fault relays
3. Hot-swappable media modules for continuous operation
4. Up to four Media Modules (eight ports max. each)
5. HIPER-Ring, redundant coupling and link aggregation capable
6. Flexible power options: 100 - 240 V AC, 24 DC and 48 V DC
7. 0°C to +60°C operating temperature

> Contact your local sales representative or call us for more information.

OCTOPUS IP67 Waterproof Ethernet Switch with PoE

HIRSCHMANN
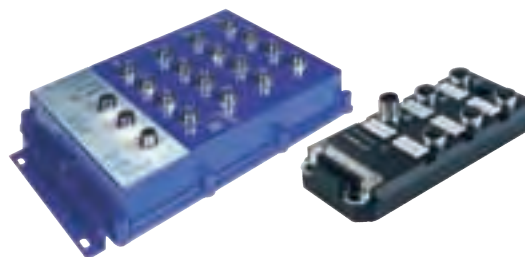
The ideal switch when space is at a premium and applications demand waterproof solutions.

Incorporating Power over Ethernet (PoE), Hirschmann offers its IP67 solution with the ability to support IP cameras or IP telephones without additional installation or the need of a protective enclosure - the OCTOPUS family can be mounted on the wall or directly to the machine.

SPECIFICATIONS

1. Totally enclosed IP67 design with industry standard M12 D-code Ethernet connectors
2. Unmanaged version has five twisted-pair ports
3. Managed versions with 8/16/24 twisted-pair ports (each with up to eight PoE ports)
4. New OCTOPUS OS20 and OS30 offer multimode or single-mode fiber with IP67 rating
5. Operating temperatures as low as -40ºC to +70ºC
6. Extensive preterminated cable offering available

> Contact your local sales representative or call us for more information.

RS20, RS30 and RS40 DIN-rail Mount Switches

HIRSCHMANN

The compact managed DIN-rail mount switches are fully managed (Web, SNMP and CLI) - VLAN, IGMP snooping (multicast filtering) and include copper 10/100 Mbps ports and fiber 1000 Mbps ports with multimode and single-mode configurations with dual power inputs and fault relay. Standard temperature rating of 0°C to +60°C operating temperature (-40°C to +70°C conformal coating available). All compact managed switches provide port mirroring, port control, port security, link alarms, broadcast limiter, traffic diagnostics, ring redundancy and USB port for configuration backup/restore and fast device replacement.

SPECIFICATIONS

1. RS20: 4x, 8x, 9x, 16x, 17x, 24x and 25x 100 Mbps ports
2. RS30: 8x, 16x and 24x 10/100 Mbps ports - all with two additional Gigabit ports
3. RS40: 9x, 10/100/1000 RJ45 and 4x RJ45/SFP combo ports

> Contact your local sales representative or call us for more information.

RSR Gigabit Managed DIN-rail Mount Switches

HIRSCHMANN

The uber-rugged Gigabit Managed DIN-rail mount switches are designed for Fast Ethernet and Gigabit Ethernet applications. These switches come with a variety of uplink port configurations including Gigabit Ethernet, fiber, copper twisted pair, multimode and single-mode. Standard temperature rating of 0°C to +60°C operating temperature (-40°C to +70°C conformal coating available). Other features include up to two AC/DC inputs with choice of voltage rating, extremely high RFI/EMI immunity, robust metal housing, shock and vibration resistant, and ultra-fast ring recover time of < 10 ms.

SPECIFICATIONS

1. From 8TX to 10 ports fiber
2. Up to two AC/DC inputs with choice of voltage
3. DIN-rail or panel-mount
4. Robust metal housing
5. Extremely high RFI/EMI immunity
6. Resistant to shock and vibration
7. Ultra-fast ring recovery time < 10 ms

> Contact your local sales representative or call us for more information.

MS20 and MS30 DIN-rail Mount MICE Switches

HIRSCHMANN

The fully managed modular DIN-rail mount switches include (Web, SNMP and CLI) - IGMP snooping (multicast filtering) VLAN, port mirroring, port control, port security link alarms, broadcast limiter, traffic diagnostics and HIPER-Ring redundancy. These modular series of switches are equipped with dual power inputs and dual fault relay outputs as well as an integrated USB port for fast configuration backup/restore and fast device replacement. Standard temperature rating of 0°C to +60°C operating temperature (-40°C to +70°C conformal coating available). Firmware options include: Enhanced "E" or Professional "P".

SPECIFICATIONS

1. MS20: 8x 10/100 Mbps Ethernet ports or 16x 10/100 Mbps Ethernet ports (using the MB-2 extension). Port density expands to 24x 10/100 Mbps
2. MS30: 8x 10/100 Mbps Ethernet ports and 2x 10/100/1000 Gigabit uplink ports of 16x 10/100 Mbps Ethernet ports, 2x 10/100/1000 Mbps Gigabit uplink ports, with MB-2 extension a max of 24x 10/100 Mbps Ethernet ports and 2x 10/100/1000 Mbps ports

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6.15

Switches - Ruggedized

PowerMICE DIN-rail Mount Switches with PoE

HIRSCHMANN

For applications that require a more powerful and feature-rich switch, Hirschmann offers its PowerMICE modular switches. Similar in functionality and features to the MS30-16, the PowerMICE adds two additional Gigabit ports (for a total of four) and an option to have Layer 3 routing capabilities. MICE Media modules sold separately.

SPECIFICATIONS
1. MS4128-L2P: Layer 2 switch with professional management, maximum 24x 10/100 Mbps ports + four Gigabit (any copper/fiber mix) for a total of 28 ports
2. MS4128-L3E: Layer 3 switch with enhanced management, maximum 24x 10/100 Mbps ports + four Gigabit (any copper/fiber mix) for a total of 28 ports
3. MS4128-L3E: Layer 3 switch with professional management, maximum 24x 10/100 Mbps ports + four Gigabit (any copper/fiber mix) for a total of 28 ports

Contact your local sales representative or call us for more information.

RS20 and RS30 OpenRail DIN-rail Mount Switches

HIRSCHMANN

Hirschmann's unmanaged OpenRail store and forward switches are ideal for applications that are less dependent upon the features of switch management while maintaining the highest feature-set for an unmanaged switch.

SPECIFICATIONS
1. 8x, 9x, 16x, 17x, 24x, and 25x ports in a 4.25 in. footprint
2. Up to 4x fiber ports
3. Redundant power inputs via dual 24 V DC
4. Fault relay (trigger able by loss of one power input and/or the loss of the link(s) specified)
5. 10/100/1000 auto-negotiating and auto-crossing (either patch or crossover cables will work in the ports)
6. Variety of connector options for multimode and single-mode fiber optic ports
7. Choice of operating temperatures and conformal coating
8. Variety of approvals including IEC 61850-3, IEEE 1613, EN 50121-4 and ATEX 100a Zone 2

Contact your local sales representative for more information.

MICE Media Modules

HIRSCHMANN

MICE media modules are hot-swappable and may be used with the PowerMICE switch to obtain desired port density. The only restriction is the number of slots that the PowerMICE has (one media module per slot). MICE media modules come a variety of configurations including: copper, fiber (SFP), multimode, single-mode, Gigabit, and real-time.

Contact your local sales representative for more information.

Eagle20 Hardened Firewall/VPN Appliance

HIRSCHMANN

A hardened 24 V DC, DIN-rail mount firewall that allows users to secure, isolate or remotely access a network.

SPECIFICATIONS
1. Scalable security functionality: pure firewall and VPN router
2. Simple commissioning and deployment
3. Stateful inspection firewall
4. Multipoint VPN
5. Default one-way communication
6. Integrated DHCP server

Contact your local sales representative for more information.

Networking and Wireless

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APC KVM Solutions

APC BY SCHNEIDER ELECTRIC

APC Rack KVM switches enable IT administrators through both local and remote POST and BIOS-level access and control of connected Windows, SUN, and Linux/UNIX servers. Virtual media enabled KVM Switches allow IT administrators to update servers from the KVM switch, reducing time and costs associated with updating an installed server. They improve return on investment and flexibility through scalability with centralized access to servers in data centers, computer rooms and remote branch offices.

KVM SWITCHES

Anixter No.	Vendor No.	Description
374151	AP5602	APC 0x2x15 Cat 5 analog KVM
374152	AP5610	APC 2x1x16 digital KVM with VM
374153	AP5615	APC 2x1x32 digital KVM with VM
374154	AP5616	APC 8x1x32 digital KVM with VM
396767	AP5201	APC 8-port multi-platform analog KVM
396768	AP5202	APC 16-port multi-platform analog KVM

RACK LCD CONSOLE WITH INTEGRATED 8- OR 16-PORT ANALOG KVM SWITCH

The Rack LCD Console with Integrated KVM Switch combines the functionality of Rack LCD Console and Analog KVM switches in one convenient package optimizing U space in the rack environment, eliminating cable clutter, and offering a value of two products functionality in one package.

Anixter No.	Vendor No.	Description
425211	AP5808	17 in. Rack LCD Console with integrated 8-port analog KVM switch
425212	AP5816	17 in. Rack LCD Console with integrated 16-port analog KVM switch

OPTIONAL CABLES AND KVM ACCESSORIES

Anixter No.	Vendor No.	Description
374155	AP5630	APC KVM PS/2 server module
374156	AP5631	APC KVM USB server module

Anixter No.	Vendor No.	Description
374157	AP5632	APC KVM Sun Server module for VGA or 13W3
374158	AP5634	APC KVM USB VM server module - 20 in. (51 cm)
374159	AP5635	APC KVM PS/2 VM server module - 14 in. (36 cm)
374160	AP5636	APC KVM VT100 serial server module
374161	AP5640	Power supply for APC KVM serial server module
374162	AP5641	APC KVM to APC switched rack PDU power management cable
350599	AP5253	KVM USB cable (6 ft.)
350604	AP5257	KVM USB cable (12 ft.)
443132	AP5261	KVM USB cable (25 ft.)
443137	AP5821	Integrated rack LCD/KVM USB cable (6 ft.)
443138	AP5822	Integrated rack LCD/KVM USB cable (10 ft.)
443139	AP5823	Integrated rack LCD/KVM USB cable (17 ft.)
443134	AP5264	KVM PS/2 cable (3 ft.)
350603	AP5250	KVM PS/2 cable (6 ft.)
434856	AP5254	KVM PS/2 cable (12 ft.)
443133	AP5258	KVM PS/2 cable (25 ft.)
443135	AP5262	KVM daisy chain cable (2 ft.) (AP5262)
443136	AP5263	KVM daisy chain cable (6 ft.) (AP5263)

Tripp Lite KVM Switches

TRIPP LITE

Control an entire network in just 1U of rack space; console models include keyboard, LCD screen, touchpad and KVM switch in a slim 1U rack-mount drawer.

FEATURES

- 17 in and 19 in. LCD screens
- Control up to 512 computers or servers by daisy chaining additional rack-mount KVM switches
- One-year warranty

Anixter No.	Vendor No.	Description
374918	B020-008-17	8-port console KVM, 17 in. LCD
374919	B020-008-17-IP	8-port console KVM, 17 in. LCD, IP access
443171	B070-008-19	8-port console KVM, 19 in. LCD
421038	B020-U08-19-K	8-port console KVM, 19 in. LCD, includes eight 6 ft. cable kits
374920	B020-016-17	16-port console KVM, 17 in. LCD
443173	B070-016-19	16-port console KVM, 19 in. LCD

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Switches - KVM

(continued) Tripp Lite KVM Switches

Anixter No.	Vendor No.	Description
421039	B020-U16-19-K	16-port console KVM, 19 in. LCD, includes eight 6 ft. cable kits
443174	B070-016-19-IP	16-port console KVM, 19 in. LCD, IP access
426004	B022-U16	16-port PS2/USB KVM switch, 1U, includes two 6 ft. cable kits
347669	B021-000-17	Rack-mount console (no KVM), 1U, 17 in. LCD
396481	B021-000-19	Rack-mount console (no KVM), 1U, 19 in. LCD
396482	B021-000-19-SH	Rack-mount console, 1U, 19 in. LCD, short-depth console
374923	B019-000	Two-post rack-mount bracket for B021 and B020 console KVM switch
426007	B051-000	IP remote access unit
443175	B078-101-USB	USB Server Interface Module for B070 KVM Switches
443176	B078-101-PS2	PS2 Server Interface Module for B070 KVM Switches

SecureLinx SpiderDuo

LANTRONIX

The SecureLinx SpiderDuo is the newest member in the popular Spider family of remote KVM solutions. The SpiderDuo provides secure, remote KVM (keyboard, video and mouse) over-IP capabilities as well as transparent local access. The SpiderDuo is ideal for those who need local access, as well as the flexibility of KVM-over-IP in a single integrated solution. Its palm-sized, "zero-U" design is perfect for space-constrained applications. What's more, SpiderDuo requires no additional software and allows full BIOS level control of the host system.

The SpiderDuo makes administration a breeze. Using integrated Virtual Media, users can transfer files, perform upgrades, install patches, redirect local drives and perform full system upgrades by ISO file. Coupled with the optional single-port PCU (power control unit), authorized users can also initiate system reboots over the network. The SpiderDuo allows complete local, plus remote management of the host machine anytime, from virtually anywhere. It provides reliable, secure access to servers located in data centers, kiosks, regional offices, campuses, ATMs, point-of-sale (POS), training centers, or test and development labs.

FEATURES

- Reduce costs and decrease downtime by remotely managing PCs and servers, down to the BIOS level, while still allowing transparent local access
- Transfer files, install patches, perform upgrades remotely with Virtual Media
- Remotely manage power with the optional power control unit
- Easy configuration and installation with color-coded connectors - local and remote management are up and running in minutes

Anixter No.	Vendor No.	Description
421624	SLSLP400USB-01	SecureLinx SpiderDuo, 1-port local and remote-over-IP with USB connectors
421625	SLSLP400PS2-01	SecureLinx SpiderDuo, 1-port local and remote-over-IP with PS/2 and USB connectors

ACCESSORIES

Anixter No.	Vendor No.	Description
421626	PCU100-01	Single-port power control unit, 100-240 V AC, 50/60 Hz, 10 A (includes IEC320/C13 to NEMA inlet and IEC320/C14 to IEC320/C13 outlet power cables)
421627	500-199-R	Extended length cable (computer input) USB connector, 59 in. VGA cable
421628	500-200-R	Extended length cable (computer input) PS/2 and USB connectors, 59 in. VGA cable
421629	520-104-R	Replacement DC power supply with international adapters (100-240 V AC, 50-60 Hz; 5 V DC at 2 A)

Networking and Wireless

Anixter No.	Vendor No.	Description
421645	SLC04812N-03	SLC48: 48-port, single AC supply secure console manager
421646	SLC04822N-03	SLC48: 48-port, dual AC supply secure console manager
421647	SLC04824N-03	SLC48: 48-port, dual DC supply secure console manager

ACCESSORIES

Anixter No.	Vendor No.	Description
313763	200.2066A	Adapter: RJ45 to DB25M (DCE)
313765	200.2067A	Adapter: RJ45 to DB25F (DCE)
313768	200.2069A	Adapter: RJ45 to DB9M (DCE)
313769	200.2070A	Adapter: RJ45 to DB9F (DCE)
328432	ADP010104-01	Adapter: RJ45 rolled serial, 0.1 m (0.33 ft.)
421648	500-137	Cable, rolled serial, RJ45 to RJ45, 3 m (9.8 ft.)
421649	500-153	Cable, loopback
421650	56KUSBMODEM-01	56K V.92 external USB modem

Secure Console Server with USB

LANTRONIX

The SecureLinx SLC secure console servers provide secure, remote access to servers and IT infrastructure equipment, whether it's located down the hall or across the globe. IT professionals can use SecureLinx SLC to monitor, manage and troubleshoot nearly anything in the data center rack, from anywhere, at any time - even if servers or networks are down. This capability means faster response rates which translate into reduced costs and less downtime.

With a common GUI interface that is simple to set up and use, the SecureLinx SLC serial console server provides easy, secure administration and management of IT equipment - from anywhere, at any time.

Through the secure console server, system administrators can securely access and control a wide variety of IT and data center equipment, including Linux, Unix or Windows 2003 servers, routers, switches, PBXs, UPSs and even building access devices through their serial ports. Connecting from eight to 48 serial ports to an SLC provides the ability to centrally monitor, manage and troubleshoot many pieces of equipment using familiar tools such as Telnet or SSH.

FEATURES

- Reduce downtime and increase efficiency with anytime, anywhere access to IT equipment
- Protect resources with enhanced security features
- Simplify installation and setup with easy to use tools
- Improved with USB

Anixter No.	Vendor No.	Description
421635	SLC00812N-03	SLC8: 8-port, single AC supply secure console manager
421636	SLC00822N-03	SLC8: 8-port, dual AC supply secure console manager
421637	SLC00824N-03	SLC8: 8-port, dual DC supply secure console manager
421638	SLC01612N-03	SLC16: 16-port, single AC supply secure console manager
421639	SLC01622N-03	SLC16: 16-port, dual AC supply secure console manager
421640	SLC01624N-03	SLC16: 16-port, dual DC supply secure console manager
421642	SLC03212N-03	SLC32: 32-port, single AC supply secure console manager
421643	SLC03222N-03	SLC32: 32-port, dual AC supply secure console manager
421644	SLC03224N-03	SLC32: 32-port, dual DC supply secure console manager

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Device Servers

EDS1100/EDS2100 Hybrid Ethernet Terminal and Multi-port Device Servers

LANTRONIX

Remotely monitor, manage and control your devices.

The EDS1100 and EDS2100 are unique, hybrid Ethernet terminal/multi-port device servers which allow remote access to and management of virtually any IT/networking equipment or edge device such as medical equipment, POS terminals or security equipment.

The EDS delivers an unprecedented level of intelligence and safety. Available with Linux and IPv6 or Lantronix's powerful Evolution OS, the EDS1100/2100 is the best choice when critical data needs to be remotely and securely accessed anywhere, at any time, via the Internet.

Evolution OS with AES, SSH and SSL built in, provides 'data-center grade' protection so each networked device carries the same level of security as corporate data center equipment and provides robust defenses to hostile Internet attacks.

With no special software required, setup is a breeze with the included Windows-based DeviceInstaller. The EDS can also be set up locally via a serial port, or remotely over a network using Telnet, SSH, or a Web browser (HTTP and HTTPS) or SNMP.

FEATURES

- Quickly connect any device with a serial port to the network using robust SSH or SSL enterprise-level security
- Easily customize and enhance the EDS for your unique application with Evolution OS
- Simple device setup, configuration and monitoring with powerful, industry-standard management tools (Web, CLI, XML, SNMP)
- VIP Access technology seamlessly integrates with Lantronix's ManageLinx remote services enablement platform

Anixter No.	Vendor No.	Description
421652	ED1100002-01	One-port, secure device server, 100-240 V AC international power supply with regional, RoHS
421653	ED2100002-01	Two-port, secure device server, 100-240 V AC international power supply with regional, RoHS

ACCESSORIES

Anixter No.	Vendor No.	Description
421654	500-163-R	DB25M to DB9F serial cable
421655	500-164-R	DB9F to DB9F null modem cable
421656	500-171-R	DB25M to RS485 and 9-30 V DC power input screw terminal adapter
326341	ACDIN1001-01	Optional DIN-rail mount

For ordering information, contact your local sales representative.

UDS1100 and 2100

LANTRONIX

Reliable device servers for affordable serial-to-Ethernet connectivity.

The UDS family of device servers provides a hassle-free and inexpensive way to add Ethernet connectivity to virtually any device with a serial interface. Designed from the ground up with ease-of-use in mind, each member of the UDS family enables users to connect to, monitor and control their equipment from practically anywhere via a network or the Internet.

Available in one- and two-port models, and equipped with flexible power options including PoE, the UDS makes it simple to network-enable equipment without changing the way you work. Supplied with Lantronix's TruPort COM Port Redirector software, UDS creates a fully transparent serial connection to existing PC-based software applications, making it possible to remotely connect to equipment already in the field as if it were connected to a local PC serial port.

Additionally, every UDS is equipped with a built-in Web server that allows users the flexibility to access, control and configure remote equipment using a standard Web browser.

FEATURES

- Provides a simple and cost-effective serial-to-Ethernet connectivity solution for virtually any device with an RS-232/422/485 serial interface
- Delivers flexible power configurations eliminating the need for costly power converters
- Simplifies deployment with a tightly integrated, proven form factor rated for use under harsh conditions
- Enables interoperability with a versatile collection of ready-to-use networking protocols
- Provides new business intelligence from network-enabled equipment
- Single- and dual-port models, small enough to place almost anywhere

DEVICE SERVERS

Anixter No.	Vendor No.	Description
327784	UD1100001-01	Device server, U.S. domestic power 120 V AC power supply
328325	UD110000B-01	Device server board only
353651	UD11000P0-01	Device server, UDS with Power over Ethernet (PoE)
399965	UD2100001-01	UDS2100 two-port 10/100 device server, RoHs compliant with U.S. domestic power supply
399966	UD2100002-01	UDS2100 two-port 10/100 device server, RoHS compliant, international power supply with regional adapters

ACCESSORIES

Anixter No.	Vendor No.	Description
328327	500.163	DB25M to DB9F serial cable
326341	ACDIN1001-01	Optional DIN-rail mount
328330	500-171	DB25M to RS-485 and power input screw terminal adapter

MiLAN's EmPowered Ethernet

TRANSITION NETWORKS

Power over Ethernet Injection and Splitting Solutions, MiLAN's EmPowered Ethernet Series Power over Ethernet (PoE) solutions, deliver a unified supply of data, voice and video as well as electrical power through a single source by sending power over standard twisted-pair cables. Power over Ethernet simplifies installation and eliminates the need to run separate power cords and LAN cables to each access point or port location.

POE INJECTORS

Anixter No.	Vendor No.	Description
308055	MIL-L100I	1-port Power over Ethernet injector

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PoE - Patch Panel

DPoE Power Patch Panels

PANDUIT

DPoE Power Patch Panels offer high-density, managed power solutions in a space-saving 1RU design that helps utilize available space by requiring only 38 percent of the rack space typically used by traditional midspans, using approximately half the patch cords necessary for traditional midspans and eliminating the need for additional horizontal cable management.

FEATURES

- Deliver reliable, cost-effective Power over Ethernet for permanent installations
- Combine patching and power in a single device, occupying only one rack space
- Supports 15.4 W to every port
- Fully compliant with IEEE 802.3af standards
- Eliminate power budget load balancing
- Offer RJ45 terminations with LEDs on front of panels to indicate port powering or port status and 110 punch-down terminations on rear of panel for networking management connections
- Dissipates significantly less heat than comparable network equipment
- Includes DPoE Element Manager Software CD, rack-mount screws, grounding strap and lug, and power harness
- Requires 48 V DC power supply

Anixter No.	Vendor No.	Description
356833	DPOE24U1XG	24-port UTP 1 GbE 10/100/1000 power patch panel

DPoE Compact 8 Midspan

PANDUIT

The DPoE Compact 8 Midspan offers adaptability to add or remove port modules as needed, providing the flexibility to accommodate ongoing changes.

FEATURES

- Delivers reliable, cost-effective Power over Ethernet to new or existing networks
- Supports up to 32 W (2x power) to every port
- Fully compliant with IEEE 802.3af Standards
- Compact, modular design allows up to three units to fit horizontally across one rack space
- Dissipates significantly less heat than comparable network equipment

- Scalable to grow network as needed
- Requires 48 V DC power supply

Anixter No.	Vendor No.	Description
330736	DPOE8S2XG	DPoE Power Midspan
326543	DPOE8KIT	DPoE Power Midspan Kit
330742	DPOEWM8B	Wall-mount bracket
330743	DPOEPL8BU	DPoE modular 8-port passive module
305186	DPOEPWRB120Y	120 W power supply
330740	DPOEPWRDUAL	DPoE dual power bus adapter
373091	CORD-S15	AC power cord
342938	DPOESHELF	Shelf for Midspan 8, 1RU

DPoE Power System

PANDUIT

DPoE Power Patch Panels are ready to connect directly to 110/220 V AC power or through an uninterruptible power supply (UPS) using the DPoE Power System. The DPoE Power System utilizes high-efficiency power supplies (>92 percent) that can be hot-swapped for field upgrades, or for replacement, without taking the entire system down.

FEATURES

- Offers 48 V DC power that is scalable from 1,250 W to 3,750 W
- Utilizes high-efficiency power supplies that can be hot-swapped for upgrades or replacement without taking the entire system down
- Provides consistent powering across a wide range of devices and application needs
- Offers a low-profile, one rack space design
- Emits 35 percent less heat compared to other power supply systems
- Increases reliability with problem fault isolation

Anixter No.	Vendor No.	Description
305188	DPOEPWRCU	1RU power system chassis
305618	DPOEPWRR1250	1,250 W power rectifier
373091	CORD-S15	AC power cord

Remotely Managed PoE Switches

TRANSITION NETWORKS

This switch series is fully compatible with devices that comply with the IEEE 802.3af Standard and is capable of inserting power on the data pairs of the MDI to provide power to PD devices like network cameras and wireless access points. Management features include port-based, dynamic and static VLANs, GVRP, VLAN Tagging, IGMP Snooping, port mirroring, port security and virtual IP stacking.

Anixter No.	Vendor No.	Description
351800	MIL-SM802GAF	8-port 10/100 PoE remotely-managed switch with four PoE injector ports and one Gigabit combo port
351798	MIL-SM8TXAF2GPA	8-port 10/100 PoE remotely-managed switch with two Gigabit combo ports
330202	MIL-SM2401MAF	24-port 10/100 PoE remotely-managed switch with two 1000BASE-T uplink SFP ports
386916	SISPM1040-182D-LRT	8-port 10/100/1000 industrial rated PoE switch with two 10/100/1000 combo ports, -40ºC to +65ºC operating temp.

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Access Routers

NetVanta Business-class Access Routers

ADTRAN INC

ADTRAN's business-class access routers provide affordable, diverse networking solutions that meet the need for secure, cost-effective Internet access and multi-site business connectivity. The portfolio of NetVanta multiservice, modular and fixed-port routers are used for deployment in branch offices or in multi-site networks for applications ranging from bandwidth expansion and VoIP to point-to-point connectivity, MPLS networking, VPN, ADSL and Ethernet access.

NetVanta routers address today's highest networking priorities with robust WAN and LAN protocols, support for next-generation technologies such as Carrier Ethernet and 3G wireless and a differentiating set of ease-of-use, management, security and troubleshooting features like Voice Quality Monitoring (VQM). This broad line of routing products can be used for small and medium business networks and diverse enterprise offices.

FEATURES

- Fixed-port routers:
  - Fixed-port business-class routers for broadband access
    (Ethernet, ADSL/ADSL2/ADSL2+)
  - Stateful inspection firewall
  - IPSec Virtual Private Network (VPN) tunneling with DES/DES3/AES encryption
  - RIP, OSPF and eBGP/iBGP routing protocol support
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points
  - Cable diagnostics to identify and locate Ethernet cable impairments

- Modular IP routers:
  - For MPLS, frame relay, PPP, PPPoE, PPPoA, RFC 1483, ADSL and Ethernet-based networks
  - Auto-sensing 10/100BASE-TX interfaces
  - Integral stateful inspection firewall
  - IPSEC VPN tunneling with DES/3DES/AES encryption (optional)
  - Standards-based eBGP/iBGP, OSPF, RIP, static routing and bridging protocols
  - Wi-Fi Access Controller capability to manage up to eight NetVanta 150 wireless access points
  - Voice Quality Monitoring (optional)

FIXED-PORT ACCESS ROUTERS

Anixter No.	Vendor No.	Description
374351	1700601G2	NetVanta 3120 with Enhanced Feature Pack Software with fixed-port Ethernet secure access IP router and integral 4-port switch
353389	1700600L2	NetVanta 3120 with Enhanced Feature Pack Software with fixed-port Ethernet secure access IP router with DBU and integral 4-port switch

Anixter No.	Vendor No.	Description
374352	1700611G2	NetVanta 3130 with Enhanced Feature Pack Software with fixed-port ADSL secure access IP router and integral 4-port switch
353390	1700610L2	NetVanta 3130 with Enhanced Feature Pack Software with fixed-port ADSL secure access IP router with DBU and integral 4-port switch

MODULAR IP ACCESS ROUTERS

Anixter No.	Vendor No.	Description
397593	1203860G1	NetVanta 3200 modular IP access router, single Ethernet, single NIM slot, desktop enclosure
397594	1203870G1	NetVanta 3205 modular IP access router, single Ethernet, single NIM slot, 1U enclosure
353345	1200820E1	NetVanta 3430 modular IP access router, dual Ethernet, single NIM slot
373923	1202880E1	NetVanta 3305 modular IP access router, dual Ethernet, dual NIM slots
443964	1700630G1120	NetVanta 4430 modular IP access router, dual Gigabit Ethernet, dual NIM slots, single wide slot
331086	4200990L1	NetVanta 5305 modular IP access router, dual Ethernet, six wide slots

NETWORK INTERFACE MODULES

These support a breadth of network applications in the NetVanta 1335, NetVanta 3000 Series, NetVanta 4430 and NetVanta 5000 Series.

Anixter No.	Vendor No.	Description
397673	1700801G1	3G NIM (Verizon)
397676	1700802G1	3G NIM (Sprint)
331074	1202862L1	T1/FT1 module
331075	1202863L1	T1/FT1 + DSX-1 module
331076	1200872L1	Dual T1/FT1 module
397677	1202869E1	ADSL module
397678	1200936E1	SHDSL module
331078	1200861L1	56k/64k module
397679	1200866E1	Serial module

ANIXTER

DIAL BACKUP INTERFACE MODULES

These support a breadth of network applications in the NetVanta 1335, NetVanta 3000 Series, NetVanta 4430 and NetVanta 5000 Series.

Anixter No.	Vendor No.	Description
331080	1200865L1	ISDN BRI dial backup module
274239	1200875L1	ISDN BRI S/T dial backup module
331079	1200864L1	Analog modem dial backup module

WIDE MODULES

Anixter No.	Vendor No.	Description
331091	1200832L1	T3 wide module
360667	1202843 E1	Octal T1/E1 wide module
331084	1200934L1	HSSI wide module

NetVanta Multiservice Access Routers

ADTRAN INC

NetVanta multiservice routers with integral Ethernet switch address the needs of multiple networking devices in a single chassis. These integrated, all-in-one access platforms integrate a robust, modular IP access router, Ethernet switch with Power over Ethernet (PoE) as an option, firewall, VPN and DSU/CSU into a single platform. The NetVanta 1335 takes this integration concept one step further by including an 802.11a/b/g Wireless Access Point (WAP).

FEATURES

- Modular platforms supporting an IP access router, Ethernet switch, firewall and VPN
- Performance-enhanced platforms supporting RapidRoute technology
- Supports all current NIMs and dial backup interface modules (DIMs)
- Auto-sensing 10/100BASE-TX interface(s)
- Integral stateful inspection firewall
- IPSec VPN tunneling with DES/3DES/AES encryption
- Wi-Fi access controller capability to manage up to the 24 NetVanta 150 wireless access points (WAPs)

Anixter No.	Vendor No.	Description
395414	1200821E1	NetVanta 3448 multiservice router with 8-port Ethernet switch
443965	4200821E11120	NetVanta 3448 PoE, single-slot multiservice router supporting two T1s with 8-port PoE switch
420901	1200824G1	NetVanta 3458 multiservice router with 8-port Layer 2 Fast Ethernet switch
443961	4200824G11120	NetVanta 3458 PoE, 8-port managed dual NIM Layer 2 Fast Ethernet switch
395417	1700525E2	NetVanta 1335 PoE, single-slot multiservice router with 24-port PoE Layer 2/3 switch
440496	1700515G2120	NetVanta 1335 single NIM 24-port Layer 2/3 switch

CSU/DSU

T1/E1 TSU Series

ADTRAN INC

ADTRAN's TSU Series is the number one T1 CSU/DSU product line and offers the broadest line of T1/E1 termination equipment available on the market. Models range from single-port CSU/DSUs to full-featured, multi-port multiplexers. Multi-port models accept numerous application modules for voice, data, disaster recovery and more.

T1 CSU SERIES

Anixter No.	Vendor No.	Description
310323	1203022L1	T1 CSU ACE, standalone T1 CSU used to connect T1 DTE equipment to network T1 circuits
326373	1204025L1	ESF T1 CSU, standalone T1 CSU used to connect T1 DTE equipment to network T1 circuits and also supports line coding and framing conversion

T1 CSU AND SINGLE-PORT CSU/DSUS

Anixter No.	Vendor No.	Description
397191	1202295L1	TSU ACE, single-port T1/FT1 CSU/DSU
397192	1203060L1	TSU LT, single-port T1/FT1 CSU/DSU, Bantam test jacks
397190	1200060L2	TSU Metal, single-port T1/FT1 DSU/CSU, Bantam test jacks, ruggedized metal chassis
397193	1200169L1	TSU ESP, single-port T1/FT1 CSU/DSU, embedded SNMP

DDS Series

ADTRAN INC

The DDS Series of products offers a wide range of high-performance, cost-effective CSU/DSUs. The ADTRAN CSU/DSU family of products includes standalone and rack-mount products that incorporate many different features like SNMP management, automatic dial backup, auto-rate adaption, user-selectable options, external DTE master circuit clock, as well as weekend and time of day lockout options.

Anixter No.	Vendor No.	Description
397180	1200062L1	DSU, 56/64k CSU/DSU, a synchronous V.35 interface
397185	1200078L1	DSU 5600, 56/64k CSU/DSU, a synchronous EIA-232 interface
397186	1202011L1	DSU III AR, 56/64k CSU/DSU, all-rate V.35 and EIA-232 DTE interface for synchronous applications

IP Business Gateways

ADTRAN INC

ADTRAN offers a full line of IP Business Gateways for converged IP networks. The Total Access 900/900e Series is ideal for networks transitioning to VoIP and offers a number of fixed-port configurations. The NetVanta 6310 is an innovative dual-slot modular IP Business Gateway designed for Ethernet-fed WAN or e.SHDSL EFM network applications. The NetVanta 6330 Series Modular IP Business Gateway is designed for use in integrated IP voice and data service offerings to small- to medium-sized businesses, worldwide. With this versatile chassis, carriers can offer a variety of services including cost-effective integrated voice and data over an Ethernet-fed wide area network (WAN) or over low overhead bonded e.SHDSL loops and T1 circuits. The single-slot chassis includes a robust IP router, SIP gateway and dual 10/100BASE-T Ethernet interfaces for routing, DMZ or Ethernet-fed WAN applications. The NetVanta 6355 combines all of the features of the Total Access 900e into a single-chassis with an on-board managed 24-port PoE switch for hosted deployments.

All of these platforms provide SIP/MGCP-gateway functionality, support for a number of analog and digital interfaces for existing phone equipment or for the combination of an IP PBX and an analog fax/phone or model. Transparent proxy functionality and remote survivability provide backup capability for phone support in the event of a wide area network (WAN) outage.

FEATURES

- **Total Access 900 Series**
  - Single-T1, IP Business Gateway designed for carrier VoIP networks
  - Full-featured IP router
  - Single 10/100BASE-T interface
  - Single DSX-1 for PRI/T1 CAS
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points
- **Total Access 900e Series**
  - Multi-T1, IP Business Gateway designed for carrier VoIP networks
  - Quad T1 SIP or MGCP gateway
  - Full-featured IP router
  - Dual 10/100BASE-TX
  - Single FXO for local call/911 routing
  - Dual DSX-1 support for PRI/T1CAS
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points
- **NetVanta 6310**
  - Modular IP Business Gateway
  - SIP gateway
  - Dual-slot modular chassis
  - Dual 10/100BASE-TX Ethernet interfaces for routing, DMZ or Ethernet-fed WAN
  - Integral PRI/PRA T1/E1 for PBX connectivity
  - ETSI compliant

ANIXTER

- **NetVanta 6330**
  - Modular IP Business Gateway
  - Converged service solutions
  - Modular, single-slot chassis
  - Integral SIP gateway, router and security
  - Supports a variety of network and voice interfaces
  - Dual 10/100BASE-T interfaces for routing, DMZ or Ethernet-fed WAN
- **NetVanta 6355**
  - IP Business Gateway with 24-port PoE switch
  - Integrated SIP and MGCP gateway
  - Full-featured IP router
  - Two FXS interfaces and two FXO interfaces
  - Dual Gigabit/SFP module slot
  - Local and remote survivability
  - Two slots for NIM/VIM expansion
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points

TOTAL ACCESS 900 SERIES

Anixter No.	Vendor No.	Description
395113	4212904L1	Total Access 904, 4 FXS
395153	4212908L1	Total Access 908, 8 FXS
395154	4212912L1	Total Access 912, 12 FXS
395155	4212916L1	Total Access 916, 16 FXS
363359	4212924L1	Total Access 924, 24 FXS
397279	4212924L2	Total Access 924, 16 FXS/8 FXO

TOTAL ACCESS 900E SERIES

Anixter No.	Vendor No.	Description
397281	4242908L1	Total Access 908e, 8 FXS
397280	4242916L1	Total Access 916e, 16 FXS
397282	4242924L1	Total Access 924e, 24 FXS
397283	4242924L2	Total Access 924e, 16 FXS/8 FXO

NETVANTA 6310

Anixter No.	Vendor No.	Description
397284	1700100G1	NetVanta 6310 modular IP Business Gateway

NETVANTA 6330

Anixter No.	Vendor No.	Description
420880	47006334G1	NetVanta 6330 modular IP Business Gateway, 16 FXS ports
420882	47006337G1	NetVanta 6330 modular IP Business Gateway, 16 FXS + 8 FXO ports

NETVANTA 6355

Anixter No.	Vendor No.	Description
397285	1200740E1	NetVanta 6355 IP Business Gateway with 24-port PoE switch

KENTROX

The T-SERV II T1 CSU offers connection and conditioning of T1 and ISDN PRI service lines. It meets or exceeds all FCC and carrier requirements for a standard interface between the T1 network and customer premises equipment. All basic CSU functions are contained in the unit, including bipolar violation correction, line build-out, loop-code generator for fault isolation, front-panel LED status indicators, test jacks, power options and automatic keep-alive signal generation. Its transparent operation passes the T1 bitstream unaltered.

FEATURES

- Easy to install and use
- Diagnostic tools for network status
- Standalone or plug-in models (4-slot and 12-slot shelves) available

CSU

Anixter No.	Vendor No.	Description
117807	77965	Standalone CSU
117810	77115	Plug-in CSU

ACCESSORIES

Anixter No.	Vendor No.	Description
314473	930XX101	Cable, DA15P to stub
314474	930XX121	Cable, DA15P to RJ48C plug
314475	930XX081	Cable, 25-pair RJ48H socket/stub
314476	930XX151	Cable, DA15S to RJ48CP
170522	77891	Adapter, DA15S to RJ48C jack socket, network
191142	77892	Adapter, DA15P to RJ48C jack socket, terminal
117809	77020	CSU standard shelf, 12 slots
352566	78480	19 in. rack-mount tray
129990	77995	Power supply, 24 V DC, 6 W, wall-mount
282991	72073	Power supply, 48 V DC, 100 W
193652	72075	Power supply, 48 V DC, 100 W x 2 or 100 W redundant
444361	72073-ACPS	Power supply, 48 V DC, 90 W
444365	72075-ACPS	Power supply, 48 V DC, 90 W x 2 or 90 W redundant

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CSU/DSU

T-SMART T1 Intelligent CSU

KENTROX

The T-SMART T1 Intelligent CSU provides in-service monitoring of both ESF and SF (D4) networks for early detection of developing problems. The performance results of the last 24 hours, stored in 15-minute intervals, can be accessed with an ASCII terminal. The T-SMART can automatically report alarm conditions and can be further diagnosed using user-selectable loop-back tests and a built-in test signal generator. Network and terminal sides can be independently configured for ESF or SF and B8ZS or AMI. The T-SMART meets all FCC and carrier requirements for a standard interface between the user and the T1 network, including T1 ISDN PRI service.

FEATURES

- In-service performance monitoring
- Alarm reporting and diagnostics
- Extended temperature range
- Standalone or shelf plug-in models (4-slot or 12-slot shelves) available

CSU

Anixter No.	Vendor No.	Description
144566	77961	T1 intelligent ESF CSU
117811	77120	T1 intelligent ESF CSU plug-in

ACCESSORIES

Anixter No.	Vendor No.	Description
282702	78892	Console adapter, DB25S to RJ45S
282704	78899	Console adapter, DE9S to RJ45S
314473	930XX101	Cable, DA15P to stub
314474	930XX121	Cable, DA15P to RJ48C plug
314475	930XX081	Cable, 25-pair RJ48H socket/stub
314476	930XX151	Cable, DA15S to RJ48CP
170522	77891	Adapter, DA15S to RJ48C jack socket, network
191142	77892	Adapter, DA15P to RJ48C jack socket, terminal
117809	77020	CSU standard shelf, 12 slots
283032	77101	Shelf interface unit
352566	78480	19 in. rack-mount tray
129990	77995	Power supply, 24 V DC, 6 W, wall-mount
282991	72073	Power supply, 48 V DC, 100 W
193652	72075	Power supply, 48 V DC, 100 W x 2 or 100 W redundant

DataSMART 558 T1 Add/Drop DSU/CSU Plug-in

KENTROX

Manage and grow your enterprise network with the DataSMART T1 single-port plug-in add/drop DSU/CSUs, which are designed for high-density T1/FT1 network installations. They support rapid expansion capabilities and comprehensive management options appropriate for central offices and corporate and government networks. The DataSMART 558 plug-ins offer auto-configuration for fast provisioning of additional circuits in rapidly growing environments. An add/drop port provides an additional T1 to allow aggregation of T1 and V.35 traffic.

FEATURES

- Optimized for high-density sites
- Standards-based management with embedded SNMP
- Manage multiple shelves with a single Ethernet port
- Supports leased-line, frame relay and Internet services

DSU/CSU

Anixter No.	Vendor No.	Description
189230	72558	DataSMART 558 T1 add/drop DSU/CSU plug-in with Ethernet

ACCESSORIES

Anixter No.	Vendor No.	Description
241890	78070	Universal shelf, two slots, DC
314476	930XX151	Cable, DA15S to RJ48CP
314408	930XX143	Cable, RJ48C plug to RJ48C plug (available in various lengths)
314482	930XX144	Cable, RJ48C plug to RJ48C plug, crossover
282892	95006022	Console cable, DE9S to DE9P, 6 ft.
170522	77891	Adapter, DA15S to RJ48C jack socket, network
282694	77890	Adapter, DB25P to RJ48C jack socket, terminal
282709	78904	Adapter, DB25P to MRAC34S
282991	72073	Power supply, 48 V DC, 100 W
193652	72075	Power supply, 48 V DC, 100 W x 2 or 100 W redundant
444361	72073-ACPS	Power supply, 48 V DC, 90 W
444365	72075-ACPS	Power supply, 48 V DC, 90 W x 2 or 90 W redundant

DataSMART T1 Single-port and Add/Drop DSU/CSU

KENTROX

The DataSMART T1 single-port DSU/CSUs include a variety of tools to maximize network uptime. Comprehensive management features include complete in-band access for remote management, an integrated Ethernet port for local management access and front-panel LCD for easy setup and control. Extensive diagnostic tools help resolve performance issues on the T1 local loop. The Add/Drop version is equipped with an additional T1 port to allow aggregation of T1 and V.35 traffic.

DSU/CSU

Anixter No.	Vendor No.	Description
189227	72656	T1 single-port DSU/CSU
189228	72658	T1 single-port add/drop DSU/CSU

ACCESSORIES

Anixter No.	Vendor No.	Description
314476	930XX151	Cable, DA15S to RJ48CP
314473	930XX101	Cable, DA15P to stub
314474	930XX121	Cable, DA15P to RJ48C plug
282892	95006022	Console cable, DE9S to DE9P, 6 ft.
170522	77891	Adapter, DA15S to RJ48C jack socket, network
191142	77892	Adapter, DA15P to RJ48C jack socket, terminal
314465	93006212	RJ45 plug to RJ45 plug, Cat 5e, 6 ft.
352566	78480	19 in. rack-mount tray

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Multiplexers

MX2800 T3 and Fiber

ADTRAN INC

MX 2800 Series:

The MX2800 is a M13 multiplexer that consolidates T1 and E1 signals into a T3 circuit. This unit provides a cost-effective, versatile tool for combining independent T1s, E1s or a combination of the two over the same T3 circuit. It also houses two hot-swappable controller cards which provide 1:1 redundancy for the T1 and T3 signals, as well as the T3 connections.

Embedded simple network management protocol (SNMP) and Telnet are available through the modem port using serial line Internet protocol/point-to-point (SLIP/PPP) or through the 10BASE-T Ethernet port. Using the Management Information Base II (MIB II), RFC 1407 standards and an ADTRAN enterprise MIIB, the MX2800 can be configured, monitored and diagnosed with standard SNMP network management programs such as Hewlett Packard's HP OpenView and Cabletron's Spectrum. In addition, the SysLog Host Daemon allows remote monitoring, collecting and logging of MX2800 events in real time. This information is useful during installation setups and/or troubleshooting.

Complete configuration, loopbacks and performance monitoring are available through SNMP, Telnet or a VT100 terminal interface. This connection can be made via Ethernet, a local EIA-232 link or through the built-in V.34 modem. The modem can dial out a "cry for help" for units located in unmanned facilities. The MX2800 is designed for installation in a 19- or 23-inch rack.

MX 2810 Series:

ADTRAN has applied its industry-leading expertise in developing carrier class products to the MX2810 M13 multiplexer. The MX2810 offers bandwidth consolidation at a low price and in the smallest footprint available in the industry. Measuring only 1U high in 19- or 23-inch rack-mount configurations, this compact device gives ILECs a powerful tool for consolidating 28 T1 signals or 21 E1 signals into a T3 circuit.

Like all ADTRAN products, the MX2810 offers comprehensive management options, including full management and GUI support from ADTRAN's Total Access EMS. It features a VT100 terminal interface for local configuration. To support SNMP and Telnet management, the MX2810 has an integrated 10BASE-T Ethernet port. It has an RS-232 port for network management, as well as an RS-485 port for daisy chaining multiple units. TL1 alarming and provisioning are also supported.

The MX2810 meets the most stringent NEBS Level 3 requirements. In addition, the product is backed by an industry-leading 10-year warranty.

MX 2820 Series:

M13 deployment, the technology that enables multiple T1 delivery from a single T3, is a fairly elementary yet important art for telecommunications carriers. Demand for T1s is affected by existing remote terminals (RTs) that are space constrained. Supplying a carrier-case multiplexer that can significantly increase T1 output while minimizing space that has been the challenge for telecommunications equipment providers. Carriers facing costs for IP addressing save money because M13 capability can be added yet each MX2820 uses only a single IP address.

In areas where multiple M13s are needed, the ADTRAN MX2820 High-Density M13 multiplexer frees up valuable rack space with a high-density chassis. The MX2820 houses up to 18 multiplexer cards to provide nine redundant M13 multiplexers in a 23-inch chassis and two rack units of space. Up to seven redundant M13 multiplexers can be based in a 19-inch chassis. In addition, the M2820 can provide up to 81 M13s in a 7-foot bay using active cooling (fans and heat baffles) or up to 63 M13s in a 7-foot bay using passive cooling (heat baffles).

The MX2820 MUX cards are capable of combining independent T1s, E1s or T1s and E1s on the same DS3. Each pair of MUX cards provides built-in 1:1 redundancy on the DS1 and DS3 signals. Advanced diagnostics include CSU loopbacks, NIU loopbacks, C-bit loopbacks and built-in BERT (bit error rate testing) capabilities.

FEATURES

- Fully redundant M13 multiplexer
- Affordable DS3 bandwidth consolidation
- Built-in 1:1 redundancy
- Controller card intelligence isolates between MUX and network failures and will only switch on MX2800 hardware failures
- Hot-swappable controller cards
- Capable of backhauling multiple service types (T1/E1)
- M13 and C-Bit signaling support
- NEBS Level 3 compliant
- Transports up to 28 T1s over T3
- Supports G.747 for transport of up to 21 E1s
- Dual load sharing redundant power supplies
- SNMP, Telnet and TL1 management
- Quick, easy installation
- Connectorized backplane
- Fits either 19 or 23 in. racks
- AC and DC (-48 V or 24 V) versions available
- Available with or without integral modem

MX2800 SERIES

Anixter No.	Vendor No.	Description
353924	1200290L1	MX2800 chassis, does not include any controller cards or power supplies
353925	1205288L1	MX2800 controller with modem
353926	1205288L2	MX2800 controller without modem
353928	1202289L1	MX2800 AC power supply
353929	1202289L2	MX2800 DC power supply
353932	1202289L3	MX2800 24 V PSU
285165	4205291L2	MX2800 redundant AC with modem and patch panel
397747	4205291L6	MX2800 redundant AC with patch panel
319691	4205290L2	MX2800 DS3 AC redundant with modem
397750	4205290L5	MX2800 DS3 AC non-redundant without modem
397751	4205290L6	MX2800 DS3 AC redundant without modem
397753	4205290L3	MX2800 DS3 DC redundant without modem
397754	4205290L4	MX2800 DS3 DC redundant with modem
397755	4205290L7	MX2800 DS3 DC non-redundant without modem
397756	4205290L8	MX2800 DS3 DC redundant without modem
397758	4205290L9	MX2800 DS3 AC/DC redundant without modem
328969	4205290L10	MX2800 DS3 AC/DC redundant with modem

Anixter No.	Vendor No.	Description
399888	4205290L23	MX2800 non-redundant 24 V with modem
399890	4205290L24	MX2800 redundant 24 V with modem
399891	4205290L27	MX2800 non-redundant 24 V without modem
399892	4205290L28	MX2800 redundant 24 V without modem
399893	4205290L34	MX2800 redundant 24 V with modem and fan
399896	4205290L38	MX2800 redundant 24 V without modem and with fan
399899	4205290L11	MX2800 DS3 AC P1/C1/M/F
399900	4205290L12	MX2800 DS3 AC P2/C2/M/F
399901	4205290L15	MX2800 DS3 AC P1/C1/F
399903	4205290L16	MX2800 DS3 AC P2/C2/F
399905	4205290L13	MX2800 DS3 DC P1/C1/M/F
399906	4205290L14	MX2800 DS3 DC P2/C2/M/F
399907	4205290L17	MX2800 DS3 DC P1/C1/F
399908	4205290L18	MX2800 DS3 DC P2/C2/F

MX2810 SERIES

Anixter No.	Vendor No.	Description
424011	1185001L1	MX2810 M13 multiplexer chassis

MX2820 SERIES

Anixter No.	Vendor No.	Description
397760	1186001L1	MX2800 19 in. chassis, does not include any controller cards or power supplies
397761	1186001L2	MX2800 23 in. chassis, does not include any controller cards or power supplies
399422	1186002L1	MX2820 MUX card
399423	1186002L3	MX2820 MUX PM/BERT
399426	1186003L1	MX2820 SCU
399428	1186004L1	MX2820 clock card
399429	1186010L1	MX2820 MUX blank card
399461	1186011L1	MX2820 clock blank card
310594	1186015L1	MX2820 test access module
399462	4186001L10	MX2820 19 in. chassis, SCU, 10 MUX card
399463	4186001L12	MX2820 19 in. chassis, SCU, 12 MUX card
399464	4186001L14	MX2820 19 in. chassis, SCU, 14 MUX card
399465	4186002L10	MX2820 23 in. chassis, SCU, 10 MUX card
399466	4186002L12	MX2820 23 in. chassis, SCU, 12 MUX card
399467	4186002L14	MX2820 23 in. chassis, SCU, 14 MUX card
399468	4186003L10	MX2820 19 in. chassis, SCU, 10 STS-1
399469	4186003L12	MX2820 19 in. chassis, SCU, 12 STS-1
399470	4186003L14	MX2820 19 in. chassis, SCU, 14 STS-1
399471	4186004L10	MX2820 23 in. chassis, SCU, 10 STS-1
399473	4186004L12	MX2820 23 in. chassis, SCU, 12 STS-1
399474	4186004L14	MX2820 23 in. chassis, SCU, 14 STS-1

For more variations of the MX2800s and the complete line of the MX2820 series, please contact your local sales representative or call us for more information.

Modular T1 Multiplexers

ADTRAN INC

ADTRAN's full line of cost-effective single-port TSUs provide an interface between T1 or Fractional T1 service and the end user's data terminal equipment (DTE) for applications such as LAN to LAN connectivity, frame relay circuit termination and dedicated videoconferencing. ADTRAN's TSU Multiplexer Series redefined the T1 multiplexer marketplace in 1994. Today, this equipment is some of the most reliable and respected for aggregating multiple voice only or voice and data services onto T1 or FT1 bandwidths. The intelligent TSU and TDU devices offer either one (1XX series) or six (6XX series) expansion slots with up to four interfaces per slot. More than thirty plug-in and plug-on modules are available to support analog voice, Nx56/64 data, subrate data, disaster recovery and other applications. The "e" series devices additionally include SNMP management via a SLIP or 10BASE-T port, an enhanced terminal screen and N-Form support.

T1 MULTIPLEXERS

Anixter No.	Vendor No.	Description
329027	1202129L1	TSU 120e, modular T1/FT1 DSU/CSU with embedded SNMP, DSX-1 PBX and V.35 supporting dial backup, single expansion slot
353944	1202156L2	TDU 120e, AC, 1U rack-mount version of the TSU 120e, V.35 and DSX-1 interface, single expansion slot
353948	1202076L1	TSU 600e, modular T1/FT1 multiplexer with SNMP, six expansion slots

TSU MODULES

Anixter No.	Vendor No.	Description
397168	1200114L1	DSX-1 module, plug-on
397169	1200065L1	Drop/insert module, plug-in
397170	1202300L1	Quad FXS Plus module, plug-in
397171	1200103L2	Dual FXO module, plug-in
397172	1200104L2	Dual FXO module, plug-on
397173	1200105L3	Dual E&M/TO module, plug-in
397174	1200106L3	Dual E&M/TO module, plug-on
397175	1202054L1	Nx56/64 V.35 module, plug-in
397176	1200054L2	Nx56/64 V.35 module, plug-on
272921	1200230L1	Dual OCU DP module, plug-in
397179	1200231L1	Dual OCU DP module, plug-on

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Multiplexers

ISU Series

ADTRAN INC

The ISU Series products are ideal for terminating basic rate service from PBXs and central offices. The ISDN terminal adapters are designed for solutions requiring speeds of 128 kbps. Some models have built-in NT1 functionality. ADTRAN ISDN inverse multiplexers provide additional functionality at rates up to 512 kbps.

ISDN SERVICE UNITS

Anixter No.	Vendor No.	Description
187679	1202029L2	ISU 128 terminates ISDN BRI U-interface and provides V.35 and EIA-530/232 DTE serial interfaces

ISDN INVERSE MULTIPLEXERS

Anixter No.	Vendor No.	Description
397221	1202086L1	ISU 512 terminates four ISDN BRI U-interfaces and provides V.35 and EIA-530 DTE serial interfaces

ATLAS Integrated Access Devices

ADTRAN INC

The ATLAS Series of enterprise integrated access devices (IADs) is a versatile integrated access platform for converging voice, video and data. It offers modular platforms that support T3, T1, PRI, ISDN and frame relay; and can be configured to meet multiple networking requirements in a cost-effective solution.

FEATURES

- Consolidates voice and data circuits and bandwidth sharing
- Integrates many networking functions into a modular, economical chassis
- Cost-effective system for lowering monthly telecom costs
- ISDN PRI to T1, BRI or analog conversion and oversubscription features, ISDN PRI/BRI switching
- Multi-T1/PRI DACsing and grooming, WAN emulation, videoconferencing
- Support for T3 applications acting as a 3/1/0 DACs and groom or IAD
- Integral switchboard and dial plan for intelligent call switching, overbooking and number substitution

ATLAS 550 IADS

Integrated access device (IAD) designed for small- to medium-sized networks with one to 18 T1/PRI ports.

Anixter No.	Vendor No.	Description
374305	1200305E2	ATLAS 550 base unit, AC
329035	1200550L2	ATLAS 550 base unit, DC
285167	4200305L1	ATLAS 550 T1 to PRI converter
329047	4200305L2	ATLAS 550 video switch

ATLAS 550 MODULES

Network interface modules includes a variety of WAN connectivity options while user modules provide analog voice and a host of data, video and backup connectivity options.

Anixter No.	Vendor No.	Description
329049	1200307E2	ATLAS 550 T1/PRI network interface module
329050	1200309E1	ATLAS 550 octal FXS module
329051	1200310L1	ATLAS 550 octal FXO module

Anixter No.	Vendor No.	Description
329471	1200313L1	ATLAS 550 octal E&M module
329472	1200311E1	ATLAS 550 dual Nx56/64 V.35 module
329474	1200314E2	ATLAS 550 dual T1/PRI module
329475	1200755E2	ATLAS 550 quad T1/PRI module
329476	1200315E1	ATLAS 550 quad BRI/U module
397219	1200764E1	ATLAS 550 quad S/T BRI Module
329478	4200754L1	ATLAS 550 dual RS-449/V.36 USSI module
329481	4200754L2	ATLAS 550 dual EIA-530 USSI module
329482	4200754L3	ATLAS 550 dual X.21/V11 USSI module
329483	4200754L4	ATLAS 550 dual EIA-232 USSI module

ATLAS 800 IADS

Integrated access device (IAD) designed for large networks with up to 34 T1/PRI ports or a T3.

Anixter No.	Vendor No.	Description
374390	1200780L1	ATLAS 830 base unit, AC
374392	4200321L1	ATLAS 890 non-redundant system, AC
374395	4200321L2	ATLAS 890 redundant system, AC
374404	4200321L3	ATLAS 890 non-redundant system, DC
374410	4200321L4	ATLAS 890 redundant system, DC
374411	4200780L1	ATLAS 830 video switch, V.35 system
374412	4200780L2	ATLAS 830 video switch, RS-449 system
374413	4200780L3	ATLAS 830 video switch, EIA-530 system

ATLAS 800 MODULES

ATLAS option modules for termination of: T1, PRI, E1, PRA, FX, FXO, V.35, BRI and other services.

Anixter No.	Vendor No.	Description
374414	1200185L3	ATLAS 800 quad T1/PRI option module
374420	1200184L1	ATLAS 800 quad Nx56/64 V.35 option module
374421	1200338L1	ATLAS 800 octal FXS option module
374422	1200223L1	ATLAS 800 T3 option module
374423	4200261L1	ATLAS 800 RS-449/V.36, quad USSI option module
374424	4200261L2	ATLAS 800 EIA-530, quad USSI option module
374425	4200261L3	ATLAS 800 X.21/V.11, quad USSI option module
374429	4200261L4	ATLAS 800 EIA-232, quad USSI option module
374430	1200262L1	ATLAS 800 Nx56/64 bonding option module
374431	4200773L1	ATLAS 800 dual V.35 video option module
374432	4200773L2	ATLAS 800 dual EIA-530 video option module
374433	4200773L3	ATLAS 800 dual RS-449 video option module

Ethernet Standalone Converters

TRANSITION NETWORKS

Media converters are used to connect devices in a mixed cabling environment. When fiber optic cable is being integrated into a UTP network, media converters can be used to make easy and affordable connections between the fiber cable and RJ45 ports. Transition Networks' Ethernet media converters offer a variety of fiber connectors, data transmission distances and operating temperature ranges. Advanced features include AutoCross and Link Pass Through.

Anixter No.	Vendor No.	Description
257445	E-TBT-FRL-05	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, ST, 2 km
257446	E-TBT-FRL-05-L	10BASE-T RJ45 to 10BASE-FL, 1300 nm, multimode, ST, 5 km
257450	E-TBT-FRL-05-SC	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, SC, 2 km
255578	E-TBT-FRL-05-SM	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 20 km
257447	E-TBT-FRL-05-LH	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 40 km

## Fast Ethernet Standalone Converters

TRANSITION NETWORKS

Extend the distance between two fast Ethernet devices up to 2 km on multimode fiber and up to 40 km on single-mode fiber; other long-haul options are available. These full-featured products include AutoCross, Auto-negotiation, Link Pass Through, Far End Fault and Pause. Converters supporting extended operating temperatures are also available. 10/100 bridging converters are ideal for connecting 10/100 devices to a 100 Mbps fiber backbone.

Anixter No.	Vendor No.	Description
213792	E-100BTX-FX-05	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
214108	E-100BTX-FX-05-SC	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km

Anixter No.	Vendor No.	Description
255573	E-100BTX-FX-05-MT	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, MT-RJ, 2 km
312465	E-100BTX-FX-05-LC	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, LC, 2 km
255575	E-100BTX-FX-05-SM	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km
284520	E-100BTX-FX-05-LH	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 40 km

Extended Temperature Fast Ethernet Converters

TRANSITION NETWORKS
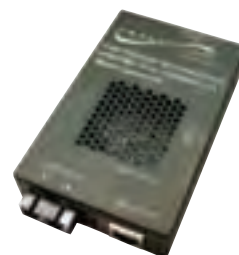
Designed to operate in Fast Ethernet environments where ambient temperatures can rise as high as 65°C (149°F). Operating temperature: -25°C to +65°C.

Anixter No.	Vendor No.	Description
284527	E-100BTX-FX-05-HT	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
284530	E-100BTX-FX-05-SCHT	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
284532	E-100BTX-FX-05-SMHT	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km

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Media Converters

Gigabit Ethernet Standalone Converters

TRANSITION NETWORKS

Migrate to Gigabit in a cost-effective manner. When Gigabit media converters are used in conjunction with lower-cost 1000BASE-T switches, users can take advantage of the high bandwidth Gigabit Ethernet offers without all of the higher costs. Optional single-strand media converters allow you to double your fiber capacity by transmitting and receiving data over one strand of fiber.

Anixter No.	Vendor No.	Description
332341	SGETF1013-110	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC 220 m on 62.5/125, 550 m on 50/125
333559	SGETF1014-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
333562	SGETF1024-110	1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended, multimode, (62.5/125 fiber only) SC up to 2 km
333563	SGETF1029-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm TX/1550 nm RX, single-fiber, single-mode, SC 20 km
333565	SGETF1029-111	1000BASE-T RJ45 to 1000BASE-LX, 1550 nm TX/1310 nm RX, single-fiber, single-mode, SC 20 km

10/100/1000 Media Converters

TRANSITION NETWORKS

The 10/100/1000 media converters will offer a low-cost integration option for network managers who want to migrate from 10/100 networks to Gigabit Ethernet.

Gigabit-only switches can now be connected to a 10/100 network at distances up to 125 km with long-haul options.

Anixter No.	Vendor No.	Description
268663.	SGFEB1013-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
373495.	SGFEB1014-120	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
268667.	SGFEB1024-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended, multimode (62.5/125 fiber only), SC, up to 2 km

Single-mode to Multimode Standalone Converters

TRANSITION NETWORKS

Single-mode to multimode media converters allow for the connection of single-mode cable to devices with multimode ports. Connect distant networks or devices on single-mode cable and transmit data signals up to 20 km and farther with long-haul options.

Anixter No.	Vendor No.	Description
251367	F-SM-MM-05	Ethernet or Token Ring, 850 nm, multimode, ST 2 km to 1310 nm, single-mode, ST 20 km
221293	F-SM-MM-02	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC 2 km to 1310 nm, single-mode, SC 20 km
251368	F-SM-MM-02(LH)	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC 2 km to 1310 nm, single-mode, SC 40 km
313673	SFMFF1314-220	Gigabit Ethernet, 1000BASE-SX, 850 nm, multimode, SC 220 m to 1000BASE-LX, 1310 nm, single-mode, SC 10 km
313674	SFMFF1315-220	Gigabit Ethernet, 1000BASE-SX, 850 nm, multimode, SC 220 m to 1000BASE-LX, 1310 nm, single-mode, SC 25 km
284591	F-SM-MM-06(XL)	OC12 ATM/SONET, 622 Mbps fiber optic, 1300 nm, multimode, SC 2 km to 622 Mbps fiber optic, 1310 nm, single-mode, SC 40 km
251370	F-SM-MM-06	OC12 ATM/SONET, 622 Mbps fiber optic, 1300 nm, multimode, SC 2 km to 622 Mbps fiber optic, 1310 nm, single-mode, SC 15 km

Networking and Wireless

T1/E1 and DS3-T3/E3 Standalone Media Converters

TRANSITION NETWORKS

The remotely managed T1/E1 converter offers a solution for users who desire to extend their T1 or E1 circuits over fiber and remotely manage them "in-band" from administrator locations. The DS3-T3/E3 copper-to-fiber media converter will provide a solution for those users who desire to extend the point of presence of their DS3 or E3 connection or use it to connect remote locations.

Anixter No.	Vendor No.	Description
423406	SSDTF1011-120	T1/E1 twisted-pair RJ48 to 850 nm, multimode, ST 2 km with remote management
423407	SSDTF1013-120	T1/E1 twisted-pair RJ48 to 850 nm, multimode, SC 2 km with remote management
423408	SSDTF1014-120	T1/E1 twisted-pair RJ48 to 1310 nm, single-mode, SC 20 km with remote management

4x T1/E1 Plus 10/100 Ethernet Transport MUX Standalone Media Converters

TRANSITION NETWORKS

This remotely managed transport MUX media converter can transport up to four T1/E1 lines, an RS-232 data channel and a 10/100 Ethernet line over a pair of fiber optic cables. This converter will address the need to conserve installed fiber strands by combining multiple signals and transporting them over one fiber link. Converters supporting single-strand fiber optics are also available.

Anixter No.	Vendor No.	Description
313675	S4TEF1011-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1300 nm, multimode, ST, 2 km
313678	S4TEF1013-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1300 nm, multimode, SC, 2 km
313679	S4TEF1014-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1310 nm, single-mode, SC, 20 km

Anixter No.	Vendor No.	Description
313680	S4TEF1011-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, ST, 2 km
313681	S4TEF1013-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, SC, 2 km
313682	S4TEF1014-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1310 nm, single-mode, SC, 20 km

RS-232 and RS-422/485 Standalone Media Converters

TRANSITION NETWORKS

The Transition Networks serial RS-232 to fiber media converters allow you to extend the distance between serial connections with the use of fiber optic cable. These full-featured converters transmit the full complement of RS-232 flow control/handshaking signals optically and support full- or half-duplex data transmissions at speeds up to 128 kbps. The RS-422/485 converters operate in 2-wire mode for RS-422 and either 2-wire or 4-wire mode for RS-485 and support full- or half-duplex data transmissions at speeds up to 1.25 Mbps.

Anixter No.	Vendor No.	Description
284607	SRS2F3111-100	RS-232 with remote management DB-9 to 1300 nm, multimode, ST, 2 km
284609	SRS2F3114-100	RS-232 with remote management DB-9 to 1310 nm, single-mode, SC, 20 km
282309	SRS4F3111-100	RS-422/485 DB-9 to 1300 nm, multimode, ST, 2 km
282316	SRS4F3114-100	RS-422/485 DB-9 to 1310 nm, single-mode, SC, 20 km
282318	SRS4F3211-100	RS-422/485 terminal block to 1300 nm, multimode, ST, 2 km
282320	SRS4F3214-100	RS-422/485 terminal block to 1310 nm, single-mode, SC, 20 km

Networking and Wireless

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Media Converters

High-speed Serial Standalone Media Converters

TRANSITION NETWORKS

The converter will provide a solution for those users who desire to extend the point of presence of a copper V.35/X.21/RS-449/RS-530/RS-232 connection at data rates up to 10 Mbps. It supports remote management of a standalone converter. The converter uses a universal 26-pin serial interface to allow connections to multiple copper interfaces via a converter cable.

Anixter No.	Vendor No.	Description
330032	SPSVT2611-100	High-speed serial 26-pin to 1300 nm, multimode, ST, 2 km/1.2 miles
330033	SPSVT2613-100	High-speed serial 26-pin to 1300 nm, multimode, SC, 2 km/1.2 miles
330034	SPSVT2614-100	High-speed serial 26-pin to 1310 nm, multimode, SC, 20 km/12.4 miles

Power over Ethernet Media Converters

TRANSITION NETWORKS

Extend network distances and power PoE-enabled devices with a Power over Ethernet media converter from Transition Networks. These PoE converters will enable enterprises to power network devices directly over a UTP data connection. The Power over Ethernet (PoE) converter emulates IEEE 802.3af Power Sourcing Equipment (PSE) and it is compatible with Powered Devices (PD) that comply with the 802.3af Standard. The ideal solution for delivering power over copper cabling to wireless access points, IP telephones and PoE cameras.

POWER OVER FAST ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
285061	SFEPE1011-100	AC powered 100BASE-FX, 1300 nm, multimode, ST, 2 km to PoE 100BASE-TX RJ45
285062	SFEPE1013-100	AC powered 100BASE-FX, 1300 nm, multimode, SC, 2 km to PoE 100BASE-TX RJ45

Anixter No.	Vendor No.	Description
285063	SFEPE1014-100	AC powered 100BASE-FX, single-mode, 1310 nm, SC, 20 km to PoE 100BASE-TX RJ45
285064	SFEPE1011-110	DC powered 100BASE-FX, multimode, 1300 nm, ST, 2 km to PoE 100BASE-TX RJ45
285065	SFEPE1013-110	DC powered 100BASE-FX, multimode, 1300 nm, SC, 2 km to PoE 100BASE-TX RJ45
285067	SFEPE1014-110	DC powered 100BASE-FX, single-mode, 1310 nm, SC, 20 km to PoE 100BASE-TX RJ45

10/100 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
330092	SPOEB1011-100	10/100BASE-TX to 100BASE-FX, multimode, 1300 nm, ST, 2 km
330093	SPOEB1013-100	10/100BASE-TX to 100BASE-FX, multimode, 1300 nm, SC, 2 km
330094	SPOEB1014-100	10/100BASE-TX to 100BASE-FX, single-mode, 1310 nm, SC, 20 km

10/100/1000 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
379289	SGPOE1013-100	10/100/1000BASE-T to 1000BASE-SX, multimode, 850 nm, SC
379290	SGPOE1014-100	10/100/1000BASE-T to 1000BASE-LX, single-mode, 1310 nm, SC, 10 km
379288	SGPOE1040-100	10/100/1000BASE-T to 100/1000BASE-X SFP slot (empty)
379291	SGPOE1040-110	10/100/1000BASE-T to two 100/1000BASE-X SFP slots (empty)

Analog Video CCTV Media Converters

TRANSITION NETWORKS

Transition Networks' analog composite video media transmitters convert CCTV signals from cameras to multimode or single-mode fiber for up to 10 km. Transition Networks' analog video media receiver converts the optical signal back to an analog composite video signal. All conversion is performed in real time. Automatic gain control installed on both transmitter and receiver maintains desired quality of video's contrast and brightness for extended distances. No field adjustments are necessary.

Wide-input-range power supply allows for multiple choices of power source including camera power supply.

Anixter No.	Vendor No.	Description
324798	J/VD-TX-01	Video transmitter, coax BNC to 850 nm, multimode, ST, 1 km
324801	J/VD-TX-01-SC	Video transmitter, coax BNC to 850 nm, multimode, SC, 1 km
324804	J/VD-TX-01-SM	Video transmitter, coax BNC to 1310 nm, single-mode, ST, 10 km
324799	J/VD-RX-01	Video receiver, coax BNC to 850 nm, multimode, ST, 10 km
324802	J/VD-RX-01-SC	Video receiver, coax BNC to 850 nm, multimode, SC, 1 km
324805	J/VD-RX-01-SM	Video receiver, coax BNC to 1310 nm, single-mode, ST, 10 km

10/100 Bridging Mini Standalone Media Converters

TRANSITION NETWORKS

The Mini Media Converters provide a cost-effective method for integrating fiber optic cabling into a 10/100 UTP environment. With its miniature size, the Mini offers a space-saving alternative while it converts copper to fiber with the smallest footprint in the industry. Depending upon the unit, this plug-and-play media converter offers three methods for powering the unit. The Mini can be powered with the included power adapter, while other options include powering through a USB port or through an 802.3af Power over Ethernet-enabled RJ45 port. Two power options can be used simultaneously, providing the security of redundant power supplies. The Mini is available with either ST or SC fiber interfaces and is available for either multimode or single-mode fiber.

Anixter No.	Vendor No.	Description
326709	M/E-PSW-FX-01	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode ST, 2 km
326710	M/E-PSW-FX-01-SC	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
326711	M/E-PSW-FX-01-SM	10/100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km
326712	MP/E-PSW-FX-01	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km, PoE-enabled option
326713	MP/E-PSW-FX-01-SC	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km, PoE-enabled option
326714	MP/E-PSW-FX-01-SM	10/100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km, PoE-enabled option

Anixter No.	Vendor No.	Description
326715	MU/E-PSW-FX-01	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km, USB-powered option
326716	MU/E-PSW-FX-01-SC	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km, USB-powered option
326717	MU/E-PSW-FX-01-SM	10/100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km, USB-powered option

Media Converter Mounting Options

TRANSITION NETWORKS

Simplify your Transition Networks' standalone media converter installation with a media converter rack. This 19 in. rack-mountable unit supports up to 12 of Transition's standalone media converters and requires only one AC power connection. For individual standalone converters, consider a secure installation with a wall-mount bracket.

Anixter No.	Vendor No.	Description
378448	E-MCR-05	12-slot media converter rack 12 V DC
284521	WMBD	DIN-rail-mount bracket, fits all standalone converters
224954	WMBL	Wall-mount bracket long, for 4.7 in. converters
284292	WMBS	Wall-mount bracket short, for 3.9 in. converters

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Media Converters

External Power Supplies

TRANSITION NETWORKS

Standalone media converters from Transition Networks ship with a 120 V AC power supply. But for those applications where the source of power is DC, Transition offers a variety of wide input standalone and piggyback DC power supplies.

Anixter No.	Vendor No.	Description
442722	SPS-2460-CC	Wide-input (18 to 72 V DC) piggyback power supply, used with legacy standalone converters 3.0 in. wide
442723	SPS-2460-PS	Wide-input (18 to 72 V DC) piggyback power supply, used with Point System standalone converters 3.25 in. wide
442724	SPS-2460-SA	Standalone power supply used with all standalone converters, Point System single-slot chassis or Point System dual-slot chassis

Point System Modular Media Converters

TRANSITION NETWORKS

The Point System is a cost-effective, fully configurable, managed modular media conversion platform that provides users with the flexibility to build their own custom media conversion system. The system includes a rack-mountable chassis and modular, hot-swappable, slide-in media converter cards. Converters supporting various communications protocols can be used in the same chassis and provide managed media conversion services to suit a custom network application. Chassis are available in either AC or DC power versions. Transition's SNMP management application, Focal Point 2.0, is included free of charge with each chassis and each management module. Combining media conversion with copper-based equipment can save up to 45 percent in cost. The Point System's modular design allows users to add converters as they need to add fiber to their network. Therefore, users can utilize their existing copper-based equipment and not buy fixed multi-port fiber devices.

FEATURES
- Cost savings
- Flexibility
- Maximum control
- Reliability
- Potential for future growth

POINT SYSTEM CHASSIS AND ACCESSORIES

Anixter No.	Vendor No.	Description
249729	CPSMC1900-100	19-slot Point System chassis
249803	CPSMC1300-100	13-slot Point System chassis
269844	CPSMC0800-100	8-slot Point System chassis
249804	CPSMC0200-200	Dual-slot Point System chassis
231557	CPSMC0100-200	Single-slot Point System chassis
251332	CPSMP-120	Redundant 120/240 V AC for CPSMC1300-100
284293	CPSMP-180	Redundant 120/240 V AC for CPSMC0800-100
249802	CPSMM-120	Single-slot primary management module
227237	CPSFP-200	Faceplate for use on all empty slots
249734	CPSLD-100	LED power status panel for the 19- or 8-slot Point System chassis

ETHERNET SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
251344	CETTF1011-105	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, ST, 2 km
231621	CETTF1012-105	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 20 km
251345	CETTF1013-105	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, SC, 2 km
284661	CETTF1022-105	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 40 km
284663	CETTF1027-105	10BASE-T RJ45 to 10BASE-FL, 1300 nm, multimode, ST, 5 km

SINGLE-STRAND FAST ETHERNET CONVERTER MODULES

Anixter No.	Vendor No.	Description
269852	CFETF1029-205	100BASE-TX RJ45 to 100BASE-FX, 1310 nm TX/1550 nm RX, single-fiber, single-mode, SC, 20 km
269856	CFETF1029-206	100BASE-TX RJ45 to 100BASE-FX, 1550 nm TX/1310 nm RX, single-fiber, single-mode, SC, 20 km

GIGABIT ETHERNET SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
332151	CGETF1013-110	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode SC, 220 m
332152	CGETF1014-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
332153	CGETF1024-110	1000BASE-T RJ45 to 1000BASE-SX, 1300 nm extended, multimode (62.5/125 fiber only), SC (up to 2 km)

Networking and Wireless

10/100/1000 MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
373778	CGFEB1013-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
268669	CGFEB1014-120	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, multimode, SC, 10 km
373909	CGFEB1024-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 1300 nm, extended, multimode (62.5/125 fiber only), SC, up to 2 km

SINGLE-MODE TO MULTIMODE SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
231628	CFMFF1314-200	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC, 2 km to 1310 nm, single-mode, SC, 20 km
231629	CFMFF1315-200	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC, 2 km to 1310 nm, single-mode, SC, 40 km
231633	CFMFF1314-220	Gigabit Ethernet 1000BASE-SX, 850 nm, multimode, SC, 220 m to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
231634	CFMFF1315-220	Gigabit Ethernet 1000BASE-SX, 850 nm, multimode, SC, 220 m to 1000BASE-LX, 1310 nm, single-mode, SC, 25 km

T1/E1 AND DS3-T3/E3 SLIDE-IN MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
423409	CSDTF1011-120	T1/E1 twisted-pair RJ45 to 850 nm, multimode, ST, 2 km, with remote management
423410	CSDTF1013-120	T1/E1 twisted-pair RJ45 to 850 nm, multimode, SC, 2 km, with remote management
422080	CSDTF1014-120	T1/E1 twisted-pair RJ45 to 1310 nm, single-mode, SC, 20 km, with remote management

4X T1/E1 PLUS 10/100 ETHERNET TRANSPORT MUX MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
313686	C4TEF1011-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1300 nm, multimode, ST, 2 km
313687	C4TEF1013-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1300 nm, multimode, SC, 2 km
313689	C4TEF1014-100	Four ports T1/E1 RJ48 and an RS-232 6-pin DIN to 1310 nm, single-mode, SC, 20 km
313690	C4TEF1011-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, ST, 2 km
313691	C4TEF1013-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, SC, 2 km
313694	C4TEF1014-110	Four ports T1/E1 RJ48, an RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1310 nm, single-mode, SC, 20 km

ANALOG PTZ VIDEO TO FIBER SLIDE-IN MODULE MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
330085	CVIDF2011-150	Video receiver BNC to multimode, ST, 1 km normal, 2 km extended
330086	CVIDF2011-155	Video receiver two BNC to two multimode, ST, 1 km normal, 2 km extended
330087	CVIDF2013-150	Video receiver BNC to multimode, SC, 1 km normal, 2 km extended
330088	CVIDF2013-155	Video receiver two BNC to two multimode, SC, 1 km normal, 2 km extended
330089	CVIDF2012-150	Video receiver BNC to single-mode, ST, 10 km normal, 20 km extended
330091	CVIDF2012-155	Video receiver two BNC to two single-mode, ST, 10 km normal, 20 km extended

RS-232 AND RS-422/485 SLIDE-IN MODULE MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
284712	CRS2F3111-100	RS-232 with remote management DB-9 to 1300 nm, multimode, ST, 2 km
284730	CRS2F3114-100	RS-232 with remote management DB-9 to 1310 nm, single-mode, SC, 20 km
282279	CRS4F3111-100	RS-422/485 DB-9 to 1300 nm, multimode, ST, 2 km
282281	CRS4F3114-100	RS-422/485 DB-9 to 1310 nm, single-mode, SC, 20 km
282283	CRS4F3211-100	RS-422/485 terminal block to 1300 nm, multimode, ST, 2 km
282286	CRS4F3214-100	RS-422/485 terminal block to 1310 nm, single-mode, SC, 20 km

HIGH-SPEED SERIAL-TO-FIBER SLIDE-IN MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
330083	CPSVT2611-100	High-speed serial 26-pin to 1300 nm, multimode, ST, 2 km
257498	CPSVT2613-100	High-speed serial 26-pin to 1300 nm, multimode, SC, 2 km
330084	CPSVT2614-100	High-speed serial 26-pin to 1310 nm, single-mode, SC, 20 km

Networking and Wireless

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Media Converters

TRANSITION NETWORKS

Fiber PCI network interface cards (NICs) from Transition Networks deliver low-cost fiber optic connectivity to the desktop.

FAST ETHERNET

Anixter No.	Vendor No.	Description
312409	N-FX-ST-02	Standard profile 100BASE-FX, 1300 nm, multimode, ST, 2 km
312411	N-FX-SC-02	Standard profile 100BASE-FX, 1300 nm, multimode, SC, 2 km
312413	N-FX-MT-02	Standard profile 100BASE-FX, 1300 nm, multimode, MT-RJ, 2 km
313705	N-FX-SC5-02	Standard profile 100BASE-FX, 1310 nm, single-mode, SC, 5 km
313706	N-FX-SC20-02	Standard profile 100BASE-FX, 1310 nm, single-mode, SC, 20 km
392531	N-FXE-ST-01	PCI Express 100BASE-FX, 1300 nm, multimode, ST, 2 km
392533	N-FXE-SC-01	PCI Express 100BASE-FX, 1300 nm, multimode, SC, 2 km
392535	N-FXE-LC-01	PCI Express 100BASE-FX, 1300 nm, multimode, LC, 2 km
392536	N-FXE-SC5-01	PCI Express 100BASE-FX, 1310 nm, single-mode, SC, 5 km
392537	N-FXE-LC5-01	PCI Express 100BASE-FX, 1310 nm, single-mode, SC, 5 km

GIGABIT ETHERNET

Anixter No.	Vendor No.	Description
392539	N-GXE-SC-01	PCI Express 1000BASE-SX, 850 nm, multimode, SC, 2 km
392543	N-GXE-LC-01	PCI Express 1000BASE-SX, 850 nm, multimode, SC, 2 km
392544	N-GXE-SC10-01	PCI Express 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
392547	N-GXE-LC10-01	PCI Express 1000BASE-LX, 1310 nm, single-mode, LC, 10 km

Ethernet Transceivers

TRANSITION NETWORKS

SMALL FORM FACTOR PLUGGABLES

Transition Networks Small Form Factor Pluggable (SFP) transceivers are designed for bi-directional serial optical data communications such as Gigabit Ethernet or Fiber Channel at speeds up to 2.5 Gbps. This device is designed for use in switches and routers compatible with Small Form Factor Pluggable Multi-Sourcing Agreement (MSA).

Anixter No.	Vendor No.	Description
313699	TN-SFP-SX	1000BASE-SX, 850 nm, LC, 220 m
330097	TN-SFP-FC2XM	Fiber channel 2.5 Gbps, 850 nm, multimode, LC
313700	TN-SFP-LX1	1000BASE-LX, 1310 nm, LC, 10 km
313701	TN-SFP-LX3	1000BASE-LX, 1310 nm, LC, 30 km
313702	TN-SFP-LX5	1000BASE-LX, 1550 nm, LC, 50 km
313703	TN-SFP-LX8	1000BASE-LX, 1550 nm, LC, 80 km
330115	TN-SFP-LX12	1000BASE-LX, 1550 nm, LC, 120 km
330116	TN-SFP-FC2XS15	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 15 km
330117	TN-SFP-FC2XS2	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 2 km
330118	TN-SFP-FC2XS40	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 40 km
330119	TN-SFP-OC12M	OC12 622 Mbps, 1310 nm, multimode, LC, 1 km
330120	TN-SFP-OC12S	OC12 622 Mbps, 1310 nm, single-mode, LC, 20 km
330121	TN-SFP-OC3M	OC3 125 Mbps, 1310 nm, multimode, LC, 2 km
330122	TN-SFP-OC3S	OC3 155 Mbps, 1310 nm, single-mode, LC, 20 km
393205	TN-XFP-SR	Ethernet 10GBASE-SR/10G Fiber channel MM 300 km on OM3 fiber
393208	TN-XFP-LR1	Ethernet 10GBASE-LR/10G Fiber channel, SM, 10 km
393209	TN-XFP-LR2	Ethernet 10GBASE-LR/10G Fiber channel, SM, 20 km

CISCO COMPATIBLE SMALL FORM FACTOR PLUGGABLES (SFP)

Transition Network's TN-GLC-xx series of Small Form Factor Pluggable (SFP) modules are designed to install in any SFP port, enabling 1000BASE-TX, 1000BASE-SX or 1000BASE-LX interfaces to the network through the SFP connector. These SFP modules are compatible with all Cisco SFP-based routers and switches, as well as Cisco's IOS software. These modules are not OEM-branded modules.

Anixter No.	Vendor No.	Description
379192	TN-GLC-T	1000BASE-T (RJ45), 100 M
379193	TN-GLC-SX-MM	1000BASE-SX 850 nm, MM, LC, Link Budget: 8.5 dB
379228	TN-GLC-LH-SM	1000BASE-LX 1310 nm, SM, LC, Link Budget: 10.5 dB
379229	TN-GLC-ZX-SM	1000BASE-LX 1550 nm, SM, LC, Link Budget: 24.0 dB
423412	TN-SFP-GE-S	1000BASE-SX 850 nm, MM, LC, operating temp. -40°C to 85°C
423413	TN-SFP-GE-L	1000BASE-LX 1310 nm, SM, LC, operating temp. -40°C to 85°C
423414	TN-SFP-GE-Z	1000BASE-LX 1550 nm, SM, LC, operating temp. -40°C to 85°C

HP COMPATIBLE SMALL FORM FACTOR PLUGGABLES (SFP)

Transition Network's TN-J48xxC series of Small Form Factor Pluggable (SFP) modules are designed to install in any SFP port, enabling 1000BASE-TX, 1000BASE-SX or 1000BASE-LX interfaces to the network through the SFP connector. These SFP modules are compatible with all Hewlett Packard SFP-based routers and switches. These modules are not OEM-branded modules.

Anixter No.	Vendor No.	Description
423415	TN-J4858C	1000BASE-SX 850 nm, MM, LC, Link Budget: 9.0 dB
423416	TN-J4859C	1000BASE-LX 1310 nm, SM, LC, Link Budget: 16.0 dB
423417	TN-J4860C	1000BASE-LX/ZX 1550 nm, SM, LC, Link Budget: 24.0 dB

Networking and Wireless

Firetide

Firetide HotPort 7000 MIMO-802.11n Wireless Nodes

FIRETIDE

Firetide HotPort 7000 mesh nodes provide fiber-equivalent throughput and reliability over wireless Ethernet, delivering true wireless infrastructure capabilities for large-scale municipal, public safety, industrial and transportation deployments.

FEATURES

- Fiber-like speed with up to 400 Mbps throughput, exceeding that of current wired solutions such as T1, Fast Ethernet or OC-3 fiber
- Ease of deployment with the self-forming nature of Firetide infrastructure mesh
- Ease of network management and planning with advanced utilities: antenna alignment, integrated spectrum analysis
- Reliable multicast capabilities for real-time evidence-grade video streaming to multiple destinations
- Flexible configuration with operation in 2.4 GHz, 4.9 GHz (U.S. public safety) or 5 GHz frequency bands

HOTPORT 7000 - INDOOR

Anixter No.	Vendor No.	Description
424454	7010	HotPort 7100, indoor MIMO-802.11n capable, dual radio, tri band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, includes power supply desktop brick 12 V DC, two-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, documentation CD and hardware installation guide, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1, 11n MIMO functionality requires purchase of SW-7000-MIMO license
434819	7010-FIPS	HotPort 7100, indoor MIMO-802.11n capable, FIPS 140-2 NIST compliant, dual radio, tri band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, includes power supply desktop brick 12 V DC, two-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas documentation CD and hardware installation guide, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1, 11n MIMO functionality requires purchase of SW-7000-MIMO license

HOTPORT 7000 - OUTDOOR

Anixter No.	Vendor No.	Description
424457	7020	HotPort 7020, outdoor MIMO-802.11n capable, dual radio, tri band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, five-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, three RJ45 weatherized Ethernet connectors, documentation CD and hardware installation guide, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1, 11n MIMO functionality requires purchase of SW-7000-MIMO license
434818	7020-FIPS	HotPort 7020, outdoor MIMO-802.11n capable, FIPS 140-2 NIST compliant, dual radio, tri band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, five-meter North America AC power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas, three RJ45 weatherized Ethernet connectors, documentation CD and hardware installation guide, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1, 11n MIMO functionality requires purchase of SW-7000-MIMO license

HOTPORT 7000 SERIES SOFTWARE

Anixter No.	Vendor No.	Description
394208	SW-7000-RADIO-1	7000 Series radio license, electronic license allows user to enable and use the second radio in the Firetide 7000 series product for a single node
424462	SW-7000-MIMO	7000 Series MIMO license allows user to enable and use the MIMO functionality (11n) on the Firetide 7000 series product for a single node

Firetide Antenna Assemblies for HotPort 7000 Mesh Nodes

FIRETIDE

Customized antennas designed to work with Firetide 7000 mesh nodes are suited for both outdoor and indoor installations. Customers choose the specific antenna based on the installation requirements, directional or omnidirectional, and frequencies ranging from 4.9 to 6.1 GHz or 2.3 to 2.7 GHz.

FEATURES

- Each antenna contains three active antenna elements capable of transmitting and receiving data
- Antennas are MIMO-aware; the elements are polarized to maximize the MIMO effectiveness
- Antennas are easy to install and replace; wall or pole mountable

90° SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
397481	AS90-024-MIMO-13	90° sector antenna, BSA MIMO 3x3, 2.3-2.7 GHz, 3x13 dBi gain
424823	AS90-055-MIMO-16-T	Triple polarized 90° sector antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x16 dBi gain

120° SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
397486	AS120-024-MIMO-11	120° sector antenna, BSA MIMO 3x3, 2.3-2.7 GHz, 3x11.5 dBi gain
397845	AS120-055-MIMO-15	120° sector antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x15 dBi gain

20° PATCH ANTENNA

Anixter No.	Vendor No.	Description
403367	AP20-050-MIMO-19	20° patch antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x19 dBi gain

OMNIDIRECTIONAL ANTENNAS

Anixter No.	Vendor No.	Description
403365	AO-024-MIMO-8	Omnidirectional BSA, MIMO 3x3, 2.3-2.7 GHz
414061	AO-050-MIMO-9	Omnidirectional BSA, MIMO 3X3, 4.9-6.1 GHz, 3x9 dBi gain

Firetide HotPoint 5000 MIMO Access Points

FIRETIDE

Firetide HotPoint 5000 MIMO wireless access points deliver a modular access solution for large scale, indoor and outdoor wireless networks. Modular design enables full network and software integration of the access points with a Firetide wireless mesh network while at the same time permitting independent physical placement directly connected to a wired network to provide optimal accessibility for Wi-Fi clients.

FEATURES

- Seamless indoor and outdoor operation
- Modular design for integration with a Firetide wireless mesh network
- Single-point network management for mesh and access points with HotView Pro software
- Create logical networks with varying levels of security, access and performance
- Designed for Hot Spots - supports virtual APs and virtual AP groups
- Advanced security and performance features (WPA and WEP encryption)

HOTPOINT 5000 - INDOOR

Anixter No.	Vendor No.	Description
424473	5100	HotPoint 5100 MIMO access point, indoor, includes Firetide MIMO access point (dual radio 802.11 a/b/g/n, 100 mW), AC to DC power adapter with region specific power cable, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas for staging, one RJ45 Ethernet cable

HOTPOINT 5000 - OUTDOOR

Anixter No.	Vendor No.	Description
424475	5200	HotPoint 5200 MIMO access point, outdoor, includes Firetide MIMO access point (dual radio 802.11 a/b/g/n, 100 mW), pole-mounting bracket, PoE Injector, one RJ45 Ethernet cable for staging, one weatherized Ethernet kit, six dual-band 2.4 GHz and 5 GHz 3 dBi antennas for staging

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Firetide HotPoint 4000 Access Points

FIRETIDE

Firetide HotPoint 4000 wireless access points deliver a modular access solution for large-scale, indoor and outdoor wireless networks. Modular design enables full network and software integration of the access points with a Firetide wireless mesh network while at the same time permitting independent physical placement directly connected to a wired network to provide optimal accessibility for Wi-Fi clients.

FEATURES

- Seamless indoor and outdoor operation
- Modular design for integration with a Firetide wireless mesh network
- Single-point network management for mesh and access points with HotView Pro software
- Create logical networks with varying levels of security, access and performance
- Designed for Hot Spots - supports up to four virtual APs and virtual AP groups
- Advanced security and performance features (WPA and WEP encryption)
- High-power radios with up to 400 mW provide extended reach and penetration

HOTPOINT 4000 - INDOOR

Anixter No.	Vendor No.	Description
384861	4100	Hotpoint 4100 access point, indoor, includes Firetide access point (802.11 b/g, up to 400 mW), AC/DC power supply adapter, kit of international plugs - U.S., EU, UK, AUS, two 2.4 GHz 5 dBi antennas, management software

HOTPOINT 4000 - OUTDOOR

Anixter No.	Vendor No.	Description
384860	4200	HotPoint 4200 access point, outdoor, includes Firetide access point (802.11 b/g, 400 mW) with integrated panel antenna, PoE injector with North America AC power cable, pole-mounting bracket, management software

Firetide HotView Pro Management Software

FIRETIDE

HotView Pro provides centralized management and control of single or multiple Firetide mesh networks with an intuitive Web-based user interface. It is a sophisticated, yet simple-to-use platform for configuring, monitoring and managing HotPort mesh nodes, HotPoint access points and HotClient Customer Premises Equipment (CPEs).

FEATURES

- Unique flow control, traffic prioritization and network management capabilities
- Ethernet Direct - allows interconnection with a 100 Mbps wired connection to reduce hop counts
- Mesh bridge integration - connect multiple mesh networks into a single environment
- End-to-end security - AES 128 or 256, WPA2 and/or WEP at 104/128 or 40/64 bits
- Unmatched mobility - real-time video from moving vehicles with seamless roaming
- Highly flexible real-time mesh network management
- Intuitive GUI interface
- Single-point management of mesh and access products

ELECTRONIC LICENSES

Anixter No.	Vendor No.	Description
384862	3000-9000-ELE-10	HotView Pro mesh management software, electronic license is per 10 nodes managed (integrated HotPort mesh and HotPoint access point or standalone HotPoint access point)
333051	3000-9000-ELE	HotView Pro mesh management software, electronic license is per 30 nodes managed (integrated HotPort mesh and HotPoint access point or standalone HotPoint access point)

Anixter No.	Vendor No.	Description
430404	FWC 2050	WLAN Controller for 50 access points includes Firetide WLAN controller equipment capable of managing 50 access points, four 10/100/1000 Mbps ports, mounting brackets for rack mounting, power supply desktop brick 12 V DC, two-meter North America AC power cable
434820	FMC 2050	Mobility Controller for 50 mobile nodes per mesh, includes Firetide Mobility Controller equipment capable of managing 50 mobile nodes in a mesh, four 10/100/1000 Mbps ports, one Ethernet RJ45 cable, power supply desktop brick 12 V DC, two-meter North America AC power cable

Firetide HotClient 2000 Customer Premises Equipment (CPE)

FIRETIDE

Firetide HotClient 2000 customer premises equipment (CPE) provides a secure and reliable solution for extending the reach of outdoor wireless mesh networks indoors. HotClient CPE enables network operators deploying municipal and enterprise wireless networks the ability to maintain optimal user experience and connectivity anywhere.

FEATURES
- Works indoors and outdoors with excellent wireless connectivity
- Centralized management via HotView Pro Network Management Software
- Ability to configure and enforce service level agreements (SLA)
- RADIUS server management
- Built-in standards-based security features including: WEP2, AES 128/256, RADIUS, SSID, MAC access control, NAT, VLAN and digital certificates

HOTCLIENT 2000 - INDOOR

Anixter No.	Vendor No.	Description
362296	2100	HotClient 2100 customer premises equipment, indoor, includes Firetide CPE (802.11 b/g, 400 mW), AC/DC power supply adapter, kit of international plugs - USA, EU, UK, AUS, two 2.4 GHz 5 dBi antennas, management software

HOTCLIENT 2000 - OUTDOOR

Anixter No.	Vendor No.	Description
362300	2200	HotClient 2200 customer premises equipment, outdoor, includes Firetide CPE (802.11 b/g, 400 mW) with integrated panel antenna, PoE injector with North America AC power cable, pole-mounting bracket, management software

Firetide Point-to-point Wireless Bridge

FIRETIDE

Firetide FWB-100 outdoor wireless Ethernet bridges provide low-cost, high-capacity connectivity between two locations. FWB-100 is software configurable for 2.4, 5 and 4.9 GHz and achieves up to 35 Mbps of throughput. Deployed as a standalone solution, the FWB-100 link is managed via a browser-based management interface.

FEATURES
- Point-to-point connectivity between two locations
- Shipped preconfigured for an easy "out-of-the-box" installation experience
- Browser-based management interface
- Antenna alignment tool for maximum signal quality
- WPA2 - PSK (Wi-Fi Protected Access) encryption

Anixter No.	Vendor No.	Description
418534	FWB-102	Firetide outdoor wireless bridge includes a pair of FWB-102 wireless nodes (2.4, 5 and 4.9 GHz capable 400 mW) with integrated 2.4 GHz panel antennas, a pair of PoE injectors with North America AC power cable, pair of pole-mounting brackets, http-based management
418535	FWB-105	Firetide outdoor wireless bridge includes a pair of FWB-102 wireless nodes (2.4, 5 and 4.9 GHz capable 400 mW) bundled with two outdoor 5/4.9 GHz 23 dBi panel antennas, a pair of PoE injectors with North America AC power cable, pair of pole-mounting brackets, http-based management

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Firetide

Firetide Point-to-point MIMO Wireless Bridge

FIRETIDE

Firetide FWB-200 outdoor wireless Ethernet bridges provide low-cost, high-capacity connectivity between two locations. FWB-200 is software configurable for 2.4, 5 and 4.9 GHz and achieves up to 150 Mbps of throughput. Deployed as a standalone solution, the FWB-200 link is managed via HotView Pro or a browser-based management interface.

FEATURES

- Point-to-point connectivity between two locations
- Shipped preconfigured for an easy "out-of-the-box" installation experience
- Browser-based management interface
- Antenna alignment tool for maximum signal quality
- WPA2 - PSK (Wi-Fi Protected Access) encryption

Anixter No.	Vendor No.	Description
424467	FWB-205	Firetide MIMO outdoor wireless bridge, bundled with panel antenna, includes a pair of FWB-205 wireless nodes (5 and 4.9 GHz capable, 400 mW) bundled with two outdoor 5/4.9 GHz 23 dBi panel antennas (AP40-050-MIMO-19), a pair of PoE injectors with North America AC power cable, a pair of pole-mounting brackets, http-based management

Firetide IVS-100 Integrated Video Solution - Exclusively Available Through Anixter

FIRETIDE

Incorporating a Firetide HotPort wireless mesh node, IP camera or analog video camera with an encoder, and optional storage, the system simplifies integration and installation of video surveillance projects. Designed for rapid deployment, the Firetide IVS-100 delivers wireless connectivity, real-time video and edge-of-network storage in a single form factor.

FEATURES

- Ethernet, fiber and/or wireless mesh connectivity
- High-powered wireless radios: 2.4, 4.9 (U.S. public safety licensed band) and 5 GHz
- Option of either an IP or analog camera
- Optional blue light for added visibility
- Improved aesthetics of video surveillance deployments

> The Firetide IVS-100 is sold exclusively through us!
> Contact your local sales representative for product configuration.

Firetide Mounting Solutions

FIRETIDE

Anixter No.	Vendor No.	Description
333071	3100-5101	HotPort 3000 and HotPoint 4500 family indoor mounting kit for wall, upright, ceiling and office panel (cubicle) installation, 10 machine screws
367188	MT-6100	HotPort 6100 family indoor mounting kit for wall, upright, ceiling and office panel installation, 10 machine screws

Firetide Antenna Assemblies

FIRETIDE
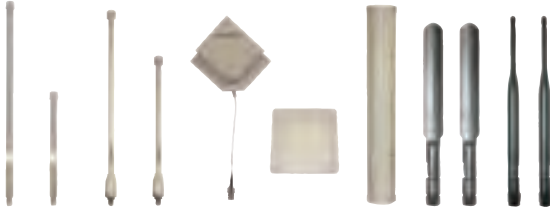
Firetide antenna assembly kits are available in 2.4 GHz, 5.1 to 5.8 GHz and 4.9 GHz public safety versions, omnidirectional, panel/patch and 90° sector antenna configurations, providing antenna solutions to meet the needs of your deployment.

FEATURES

- Firetide-certified antenna assembly
- Outdoor antennas are unobtrusive so they blend with any environment
- Sturdy attachment solutions with precise adjustments for optimal antenna performance
- Applicable for 2.4 GHz, 5.1 to 5.8 GHz, and 4.9 GHz public safety deployments
- Includes 1.5 meter LMR-400 cable, lightning suppressor and mounting solution
- Omnidirectional, panel/patch and 90° sector configurations available
- Indoor and outdoor configurations

OMNIDIRECTIONAL ANTENNAS

Anixter No.	Vendor No.	Description
344681	AO-050-N	4.9 to 5.8 GHz omnidirectional antenna with 10 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and pole-mount bracket
403369	AO-900-8	900 MHz omnidirectional antenna, 8 dBi gain
333063	4000-1111	2.4 GHz omnidirectional antenna with 7.5 dBi gain, N-type connector, (for HotPoint APs only)

PANEL ANTENNAS

Anixter No.	Vendor No.	Description
344687	AP-050-N	4.9 to 5.8 GHz subscriber panel antenna with 23 dBi gain (21 dB gain for 4.9 - 5.1), 1.5 meter LMR400 cable, lightning suppressor with N-type connector and Az/E1 adjustable mount
403370	AP40-900-12	900 MHz 12 dBi panel antenna (43 x 42 degree beamwidth)

SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
344730	AS-024-N	2.4 to 2.7 GHz 90° sector antenna with 15.5 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and tilt mount
344733	AS-050-N	4.9 to 5.8 GHz 90° sector antenna with 16 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and elevation adjustable mount

ANTENNA CABLE ASSEMBLIES

Anixter No.	Vendor No.	Description
367407	CB-015-N	Antenna cable assembly, 1.5 meter LMR400 with lightning suppressor, N-type connector
434821	CB-015-N-MIMO	MIMO antenna cable assembly for 5200 and 7020, 3-in-1 bundled 1.5 meter LMR-400 cables with integrated lightning suppressor, N-type connector
344735	CB-050-N	Antenna cable assembly, five meter LMR400 with lightning suppressor, N-type connector

Firetide Cable Assemblies

FIRETIDE

Anixter No.	Vendor No.	Description
333066	3200-2102	Single Ethernet transition cable with watertight Ethernet connector, two meters
333067	3200-2103	10 meter power cable, HotPort 3200, 6200, 7020 series, DC to DC
333068	3200-2104	30 meter power cable, HotPort 3200, 6200 and 7020 series, DC to DC

Firetide Power Sources and Cables

FIRETIDE

Anixter No.	Vendor No.	Description
367412	CB-030-P	4600 Series outdoor-rated 30 meter PoE cable that connects the 4600 to HotPort
344736	PO-010-N	6000 Series outdoor-rated 10 meter North America AC power cable

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Cisco

Aironet 1240AG Series Access Points

CISCO SYSTEMS

Cisco Aironet 1240AG Series IEEE 802.11a/b/g access points deliver the versatility, high-capacity, security, and enterprise-class features demanded by WLAN customers. These products are designed specifically for challenging RF environments like factories, warehouses and large retail establishments that require the antenna versatility associated with connectorized antennas, a rugged metal enclosure, and a broad operating temperature range. The Cisco Aironet 1240AG Series is available in either a lightweight or an autonomous version that may be field-upgraded to lightweight operation. A second-generation dual-band access point, the Cisco Aironet 1240AG Series supports IEEE 802.3af Power over Ethernet (PoE). The product comes complete with all necessary mounting hardware to provide for an installation that is both secure and rugged. The mounting bracket locks the access point as well as the Ethernet and console cables in place to prevent theft and tampering.

FEATURES

- Integrated 802.11a/b/g radios
- Rugged enterprise-class access point designed for indoor industrial deployments and installations that require antenna versatility
- Orderable and configurable as an autonomous or lightweight access point supporting lightweight access point protocol (LWAPP)
- May be configured to function as an access point or bridge enabling a broad array of applications
- Four power options offering deployment flexibility and cost savings - 802.3af, Cisco legacy PoE, Cisco Power Injector or local power supply
- Three 2.4 GHz and twelve 5 GHz channels for simplified channel reuse patterns and unmatched capacity
- Ideal for factories, warehouses and retailers

Anixter No.	Vendor No.	Description
329733	AIR-AP1242AG-A-K9	802.11a/g non-modular IOS access point, RP-TNC, FCC configuration
329734	AIR-LAP1242AG-A-K9	802.11a/g non-modular LWAPP access point, RP-TNC, FCC configuration

Aironet 1130AG Series Access Points

CISCO SYSTEMS

The Cisco Aironet 1130AG Series packages high-capacity, high-security, and enterprise-class features delivering wireless LAN access for a low total cost of ownership. Designed for wireless LAN coverage in offices and similar RF environments, this unobtrusive access point features integrated antennas and dual IEEE 802.11a/g radios for robust and predictable coverage, delivering a combined capacity of 108 Mbps. The competitively priced Cisco Aironet 1130AG Series is ready to install and easy to manage, reducing the cost of deployment and ongoing maintenance. The device is available in either a lightweight version, or as an autonomous version that may be field-upgraded to lightweight operation.

FEATURES

- Two high-performance IEEE 802.11a and 802.11g radios offering 108 Mbps of capacity
- IEEE 802.11a/b/g compliance for high-capacity wireless networking
- 2.4 and 5 GHz integrated omnidirectional antennas, for out-of-the-box deployment without external antennas
- Orderable and configurable as an autonomous or lightweight access point supporting lightweight access point protocol (LWAPP)
- Unobtrusive low-profile plastic case
- 16 MB Flash memory
- Console port for management
- Support for the Cisco Self-Defending Network, Network Admission Control (NAC), Wi-Fi Protected Access (WPA) and 802.11i WPA2

Anixter No.	Vendor No.	Description
329731	AIR-AP1131AG-A-K9	802.11a/g non-modular IOS access point, integrated antennas, FCC configuration

Cisco 1000 Series Lightweight Access Point and Wireless LAN Controller

CISCO SYSTEMS

The Cisco Aironet 1000 Series Lightweight Access Point is an 802.11a/b/g dual-band, zero-touch configuration and management access point that delivers secure, cost-effective wireless access with advanced WLAN services for enterprise deployments. This lightweight access point provides industry-leading RF capabilities with a wide breadth of deployment options to maximize wireless LAN performance, security, reliability and scalability. This device meets and exceeds the performance requirements of the most demanding enterprise environments.

The Cisco Aironet 1000 Series Lightweight Access Point works in conjunction with a Cisco Wireless LAN Controller and optional Cisco Wireless Control System (WCS) to support simultaneous data forwarding and air monitoring functions. This provides real-time RF management and intrusion protection functions in conjunction with traffic delivery. With this solution, the need for additional dedicated monitoring nodes is eliminated, thereby reducing the cost and complexity of WLAN deployment. This access point supports Wi-Fi Protected Access (WPA) and 802.11i/WPA2 for enterprise-class interoperable WLAN security.

FEATURES

- Ideally suited for any enterprise environment
- Simultaneous air monitoring and data service
- Internal and external antenna options
- Works in conjunction with Cisco Wireless LAN Controller and optional Cisco Wireless Control System (WCS)
- Operates as a lightweight access point running LWAPP
- Support for the Cisco Self-Defending Network, NAC, WPA and 802.11i WPA2

WIRELESS ACCESS POINTS

Anixter No.	Vendor No.	Description
329739	AIR-AP1010-A-K9	802.11a/b/g access point with integrated antennas, FCC configuration
329742	AIR-AP1020-A-K9	802.11a/b/g access point with integrated antennas and RP-TNC connectors, FCC configuration
329741	AIR-AP1030-A-K9	802.11a/b/g remote edge access point with integrated antennas and RP-TNC connectors, FCC configuration

WIRELESS LAN CONTROLLER

Cisco 2000 and 4400 Series Wireless LAN Controllers are responsible for system-wide wireless LAN functions, such as security policies, intrusion prevention, RF management, quality of service (QoS) and mobility

Anixter No.	Vendor No.	Description
353886	AIR-WLC2106-K9	Wireless LAN controller for up to six Cisco lightweight access points
329745	AIR-WLC4402-12-K9	Wireless LAN controller for up to 12 Cisco lightweight access points
329746	AIR-WLC4402-25-K9	Wireless LAN controller for up to 25 Cisco lightweight access points
329747	AIR-WLC4402-50-K9	Wireless LAN controller for up to 50 Cisco lightweight access points
329748	AIR-WLC4404-100-K9	Wireless LAN controller for up to 100 Cisco lightweight access points

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Networking and Wireless

COMMSCOPE

Today, first responders such as police officers, firefighters and emergency medical services personnel are demanding reliable and ubiquitous radio coverage to ensure the safety of the public, as well as their own. Mission-critical coverage can no longer end at the doorway, basement, stairwell or tunnel. Therefore, many cities, municipalities and counties are rapidly adopting in-building coverage ordinances. The purpose of these ordinances is to mandate a specific level of radio coverage in buildings to ensure first responders can communicate effectively indoors when emergencies arise. The most common method to ensure in-building coverage is an in-building wireless (IBW) system. Also, although not mandated by ordinance or building code, consumers are demanding their mobile phones work indoors just as effectively as they do outdoors. CommScope's Wired for Wireless Solution is a carrier-neutral structured cabling solution that enables mobile communications inside buildings and eliminates dead zones. The Wired for Wireless Solution's unique structured design makes wireless coverage inside buildings dramatically more affordable by simplifying installation and eliminating the need for costly site surveys and custom network designs. The solution's design includes coaxial cables, connectors, antennas and cable management connected together in such a way as to provide a blanket of wireless coverage throughout an entire building, to meet evolving indoor wireless needs for years to come. When the system is designed and installed by a CommScope BusinessPartner, it will be backed by a comprehensive 20-year product warranty. CommScope's Wired for Wireless Solution has the enterprise covered.

Anixter No.	Vendor No.	Description
419940	CELLMAX-D-CPUSE	Directional in-building antenna 698-960 MHz, 1,710-2,700 MHz
419941	CELLMAX-O-CPUSE	Omni-directional in-building antenna 698-960 MHz, 1,710-2,700 MHz
419943	AL4RPV-50	1/2 in. CATV plenum heliax aluminum air dielectric
419944	LDF4-50A	1/2 in. 50 ohm foam cable jacketed general purpose rated
430847	LDF4RK-50A	1/2 in. 50 ohm Heliax Cable
419945	L4TNM-PSA	Straight male N connector
426640	760138610	Wall organizer
426642	CPT-12U	Easiax automated prep tool for 1/2 in. cable

CommScope has a comprehensive product portfolio of passive and active components for its solution.
These are the items that we are currently stocking. For additional information, please contact your local sales representative.

InterReach Wireless Solution

TE CONNECTIVITY

TE Connectivity's InterReach Wireless Solution has two components; InterReach Fusion and InterReach Spectrum.

FEATURES

- Delivers wireless voice and high-speed data
- True multi-band system using a single set of electronics/cabling
- Supports frequencies from 800 MHz to 2.5 GHz
- Dedicated capacity per band, easily supports dense user environments
- Distributed amplifier system, ensuring high performance and uniform output power at every antenna point
- High output power, provides greater coverage area per antenna
- Zero loss system, making design simple and guaranteeing consistent coverage from every antenna
- Economical installation thanks to use of CATV cabling
- Double star architecture makes installation and future expansion quick and nondisruptive for campuses or large venues
- Integrated Web-based administrative and maintenance tools
- Individual band shutdown or lockout provides flexible RF performance adjustments via administrative tools
- Integrated SNMP capability allows use of standard network management packages
- FCC, UL and CE Mark approved

FUSION

InterReach Fusion is a multi-band solution that enables any organization to implement in-building wireless for campus environments and for areas greater than 250,000 square feet (23,000 square meters). There are even integrated Web-based administrative and maintenance tools. InterReach Fusion's advanced configuration options are ideal for wireless operators who deploy multiband spectrum in-building solutions as well as for multi-operator installations such as public venues (hotels, retail shops, subway stations) and enterprises.

Contact your local sales representative for more information.

SPECTRUM

InterReach Spectrum is used to extend wireless services throughout a building, multiple buildings, or campus. It is used in the market for addressing coverage and capacity needs for current and emerging wireless networks. It provides edge-to-edge bandwidth and multi-band flexibility. Spectrum also offers element management that includes on-site or remote accessible system alarming and management of network elements and the cable infrastructure. Spectrum is a scalable platform that allows for easy system growth in size and scope of solution, whether the system needs to scale to reach new service areas inside of buildings or add bandwidth and capacity as necessary. Spectrum can be designed to suit any size and shape property. The Expansion Units may be cascaded to provide overall system growth. If your property or wireless needs change, the system can change with you.

Contact your local sales representative for more information.

MobileAccess Solutions

CORNING CABLE SYSTEMS
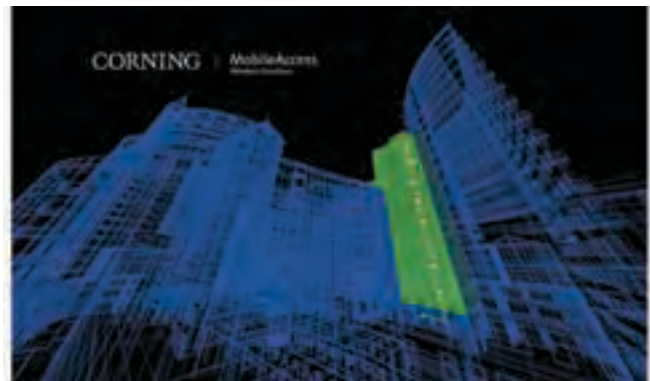
Enterprise customers, do you have cellular connectivity or performance challenges? Corning MobileAccess' legacy of innovation and proven architecture set the bar for indoor wireless peak performance, ensuring customers can meet current wireless demands as well as easily expand with future applications and services.

FEATURES

- The entire Corning MobileAccess product portfolio is available through your local sales representative
- Access the modularity and scalability of the Corning MobileAccess 2000 solution or the flexibility of leveraging your existing cable with the Corning MobileAccess VE solution
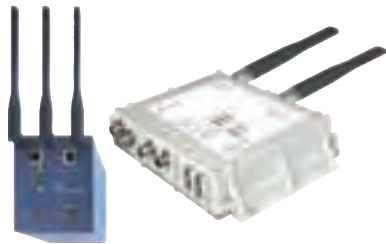
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Access Points

BAT Wireless Ethernet Access Points

HIRSCHMANN

Available in either DIN-rail or IP67/waterproof hard/pole mount, along with an extensive antenna offering, the BAT wireless Ethernet devices offer 802.11a/b/g/n connectivity via single or dual integrated radios.

SPECIFICATIONS

1. 802.11b/g (2.4 GHz) and 802.11a/h/n (5 GHz)
2. Simultaneous 2.4/5 GHz communications and redundant WLAN
3. Up to 300 Mbps bandwidth using 802.11n
4. IEEE 802.11i and 802.1x security
5. Redundant 24 V DC power inputs (incl. IEEE 802.3af PoE support)
6. Redundant connections using RSTP
7. Built-in IP routing, fast roaming and firewall
8. Operating temperature of - 30°C to + 50°C

Contact your local sales representative for more information.

NetVanta 150 Wireless Access Point

ADTRAN INC

The NetVanta 150 wireless access point is designed to extend a wireless reach to a NetVanta based network. Providing concurrent 802.11b/g and 802.11a radio support at speeds up to 54 Mbps, this business-class access point fits the corporate environment needing a secure, integrated WLAN solution. Its auto-sensing 10/100BASE-T 802.3af-compliant Ethernet port can be used to power the unit, expanding installation options by eliminating the need to be near a power outlet. The robust, business-class security includes WPA and WPA2 and virtual access points (VAPs) to securely segment the wireless network. It's hosted through a variety of NetVanta Wi-Fi access controllers for a wide range of entry-level price points, flexible connectivity options and the ability to be centrally managed.

FEATURES

- 802.11 a/b/g dual radio wireless access point
- Robust, business-class security including WPA and WPA2 support
- PoE support for flexible deployment
- Centrally manage multiple access points
- Managed only by a NetVanta Wi-Fi access controller
- One 10/100BASE-T port with 802.3af-compliant PoE support

Anixter No.	Vendor No.	Description
395405	1700412E1	NetVanta 150 wireless access point
395410	4700412E1	NetVanta 150 wireless access point with AC power supply

MIMO RUBBER DUCK ANTENNAS

Anixter No.	Vendor No.	Description
374775	M7020030MR10002	802.11n 2.4/4.9-5.85 GHz 2/3 dBi MIMO rubber duck antenna with RPTNC plug connectors

802.11n MIMO Antennas

TERRAWAVE SOLUTIONS

TerraWave Solutions has developed a full line of multiple input, multiple output (MIMO) antennas designed to operate with a variety of manufacturers' access points and support demanding applications in next generation 802.11n communications systems. Every TerraWave antenna is covered by their two-year warranty program.

MIMO OMNIDIRECTIONAL ANTENNAS

Anixter No.	Vendor No.	Description
399844	M6025040MO1D2402M	802.11n 2.4/5 GHz 2.5/4 dBi ceiling-mount mini MIMO omnidirectional antenna with RPTNC plug connectors
374762	M6025045MO13602	802.11n 2.4/5 GHz 2.5/4.5 dBi ceiling-mount MIMO omnidirectional antenna with RPTNC plug connectors
399845	M6060060MO136020	802.11n 2.4/5 GHz 6 dBi outdoor MIMO omnidirectional antenna with RPTNC plug connectors

MIMO PATCH ANTENNAS

Anixter No.	Vendor No.	Description
374773	M6060060MP13602	802.11n 2.4/5 GHz 6 dBi MIMO patch antenna with RPTNC plug connectors

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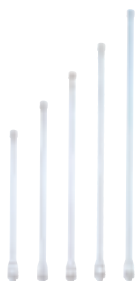1.800.ANIXTER • anixter.com

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Networking and Wireless

Antennas

Omnidirectional Antennas

TERRAWAVE SOLUTIONS

FIBERGLASS OMNIDIRECTIONAL ANTENNAS

TerraWave's fiberglass omnidirectional antennas are designed for indoor and outdoor wireless local area networks. The antennas feature a UV stable, vented radome that provides sustainability against extreme weather conditions. These antennas can be mast or wall mounted with the included mounting bracket. Every TerraWave antenna is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
326576	T24040010006	2.4 GHz 4 dBi fiberglass omnidirectional antenna with N-style jack connector
326577	T24060010006	2.4 GHz 6 dBi fiberglass omnidirectional antenna with N-style jack connector
326578	T24080010006	2.4 GHz 8 dBi fiberglass omnidirectional antenna with N-style jack connector
326579	T24100010006	2.4 GHz 10 dBi fiberglass omnidirectional antenna with N-style jack connector
326580	T24120010006	2.4 GHz 12 dBi fiberglass omnidirectional antenna with N-style jack connector
342401	T58060010006	5.7 to 5.85 GHz 6 dBi fiberglass omnidirectional antenna with N-style jack connector
342402	T58080010006	5.7 to 5.85 GHz 8 dBi fiberglass omnidirectional antenna with N-style jack connector
342403	T58100010006	5.7 to 5.85 GHz 10 dBi fiberglass omnidirectional antenna with N-style jack connector
342406	T58120010006	5.7 to 5.85 GHz 12 dBi fiberglass omnidirectional antenna with N-style jack connector

CEILING-MOUNT OMNIDIRECTIONAL ANTENNAS

TerraWave offers various styles of indoor omnidirectional antennas, perfectly suited for in-building wireless application systems. Every TerraWave antenna is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
399885	M7025025023602T	2.4/4.9-5 GHz 2.5 dBi diversity omnidirectional antenna with RPTNC plug connector
399887	M7025040023602MT	2.4/4.9-5 GHz 2.5/4 dBi diversity mini omnidirectional antenna with RPTNC plug connector
342419	M6020045023602	2.4/5.1 to 5.85 GHz 2/4.5 dBi dual-band diversity omnidirectional antenna with RPTNC plug connectors and ceiling tile clips
399889	M6020045023602S	2.4/5.1 to 5.85 GHz 2/4.5 dBi dual-band diversity omnidirectional antenna with RPTNC plug connectors and screw mount
399894	M6030030013602	2.4/5.1 to 5.85 GHz 3 dBi dual-band ceiling-mount omnidirectional antenna with RPTNC plug connectors
399898	M604006002D1802R	2.4/5.1 to 5.85 GHz 4/6 dBi dual-band ceiling-mount omnidirectional antenna with right angle RPTNC plug connectors and screw mount

Patch and Panel Antennas

TERRAWAVE SOLUTIONS

PANEL ANTENNAS

TerraWave's panel antennas provide large horizontal beamwidths which are perfect for a variety of outdoor wireless applications. Every TerraWave antenna is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
326584	T24130P10006GT	2.4 GHz 13 dBi panel antenna with N-style jack connector
326585	T24190P10006GT	2.4 GHz 19 dBi panel antenna with N-style jack connector
399875	M6070070P136020	2.4/5 GHz 7 dBi panel antenna with RPTNC connector

SECTOR PANEL ANTENNAS

The TerraWave panel antennas provide superior coverage for a variety of outdoor wireless applications. Every TerraWave antenna is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
374695	T24135P10006120	2.4 GHz 13.5 dBi 120° V-POL sector panel antenna with N-style jack connector
374696	T24140P10006-90	2.4 GHz 15 dBi 90° V-POL sector panel antenna with N-style jack connector
374697	T24150P1000660	2.4 GHz 16 dBi 60° V-POL sector panel antenna with N-style jack connector
374698	M5160160P10006	4.9 to 5.85 GHz 16 dBi 120° V-POL sector panel antenna with N-style jack connector
374699	M5170170P10006	4.9 to 5.85 GHz 17 dBi 90° V-POL sector panel antenna with N-style jack connector
374700	M5170170P1000660	4.9 to 5.85 GHz 18 dBi 60° V-POL sector panel antenna with N-style jack connector

Yagi Antennas

TERRAWAVE SOLUTIONS

TerraWave's yagi antennas are designed for directional applications in any frequency range and feature high gain. Each antenna can be mounted in a horizontal or vertical polarization and include heavy-duty steel mounting brackets. Every TerraWave antenna is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
342389	T24100Y13602	2.4 GHz 10 dBi yagi antenna with RPTNC plug connector
342391	T24135Y13602T	2.4 GHz 13.5 dBi yagi antenna with RPTNC plug connector
342393	T24150Y13602T	2.4 GHz 15 dBi yagi antenna with RPTNC plug connector
342415	T58150Y13602	5.7 to 5.85 GHz 15 dBi yagi antenna with RPTNC plug connector
342417	T58175Y13602	5.7 to 5.85 GHz 17.5 dBi yagi antenna with RPTNC plug connector

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Enclosures

Ceiling Enclosures

TERRAWAVE SOLUTIONS

CEILING TILE ENCLOSURES

TerraWave's ceiling tile enclosures contain and protect an access point or an antenna system in an aesthetically pleasing and stealthy solution within a suspended ceiling. Suspended in a similar manner as the ceiling tile, they are tethered by wire to the roof structure. Once installed, the AP is protected and hidden from view and the enclosure is flush with the ceiling tile. Every TerraWave enclosure is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
421431	TW-CTEN-P	24 in. x 12 in. x 7 in. ABS plastic ceiling tile enclosure
374550	TW-CTEN-MIMO	24 in. x 14 in. x 6 in. ceiling tile enclosure for 802.11n MIMO access points
399971	TW-CTEN2-MIMO	24 in. x 24 in. x 4 in. ceiling tile enclosure for 802.11n MIMO access points
421432	TW-CTEN-2X2-1142A	24 in. x 24 in. x 1.5 in ceiling tile enclosure for the Cisco 1142 and 3500i AP
399972	TW-CTENHC-MIMO	24 in. x 24 in. x 8 in. ceiling tile enclosure for 802.11n MIMO access points

HARD CAP CEILING ENCLOSURES

TerraWave's 20 in. x 20 in. x 8 in. 802.11n multiple-input, multiple-output (MIMO) hard cap ceiling enclosure protects and hides an 802.11n MIMO access point (AP) in an aesthetically pleasing solution within a hard cap ceiling, such as metal, sheet rock, stucco or wood. Once installed, the enclosure is conveniently secured and flush with the hard cap ceiling. This enclosure is specifically designed to support any TerraWave or Cisco 802.11n MIMO omnidirectional antenna. Every TerraWave enclosure is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
399925	TW-HC-MIMO	20 in. x 20 in. x 8 in. hard cap ceiling enclosure for 802.11n MIMO access points

Metal Enclosures

TERRAWAVE SOLUTIONS

METAL ENCLOSURES

TerraWave's metal enclosures are commonly used in harsh environmental surroundings and to protect wireless LAN equipment from damage caused by tampering. These rugged enclosure solutions make it easy to mount and protect the most commonly used radio equipment on the market today. They are constructed of steel, making them extremely durable and perfect to protect wireless equipment from severe outside elements. Every TerraWave enclosure is covered by their two-year warranty program.

Anixter No.	Vendor No.	Description
399927	T12106-KEY-S-8	12 in. x 10 in. x 6 in. Flex Line Universal steel enclosure with key lock and solid door, zero to eight holes for jumpers
399928	T12106-KEY-W-8	12 in. x 10 in. x 6 in. Flex Line Universal steel enclosure with key lock and window, zero to eight holes for jumpers
399929	T14126-KEY-S-8	14 in. x 12 in. x 6 in. Flex Line Universal steel enclosure with key lock and solid door, zero to eight holes for jumpers
399930	T14126-KEY-W-8	14 in. x 12 in. x 6 in. Flex Line Universal steel enclosure with key lock and window, zero to eight holes for jumpers

Polycarbonate Enclosures

TERRAWAVE SOLUTIONS

Polycarbonate enclosures are designed for outdoor or indoor use to protect wireless equipment from outdoor elements and theft. These enclosures are durable, extremely affordable and the lightest-weight enclosure solutions TerraWave offers. These enclosures are available in three standard sizes, 12 in. x 10 in. x 6 in., 14 in. x 12 in. x 6 in. and 18 in. x 16 in. x 10 in., two different locking options and either a solid or clear door and can be configured to include power, heaters and fans. Every TerraWave enclosure is covered by their two-year warranty program.

CLEAR DOOR

Anixter No.	Vendor No.	Description
330994	V12106-L-C-2	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, two holes for jumpers and latch locks
330995	V12106-L-C-4	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, four holes for jumpers and latch locks
374551	V12106-L-C-6	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, six holes for jumpers and latch locks
330996	V12106-C60-C-2	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, two holes for jumpers and lock
330997	V12106-C60-C-4	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, four holes for jumpers and lock
374552	V12106-C60-C-6	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, six holes for jumpers and lock
330998	V14126-L-C-2	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, two holes for jumpers and latch locks
330999	V14126-L-C-4	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, four holes for jumpers and latch locks
374553	V14126-L-C-6	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, six holes for jumpers and latch locks
331000	V14126-C60-C-2	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, two holes for jumpers and lock

Anixter No.	Vendor No.	Description
331001	V14126-C60-C-4	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, four holes for jumpers and lock
374554	V14126-C60-C-6	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with clear door, six holes for jumpers and lock

SOLID DOOR

Anixter No.	Vendor No.	Description
421405	V12106-L-O-BASIC	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, no holes for jumpers and latch locks
342567	V12106-L-O-2	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, two holes for jumpers and latch locks
342569	V12106-L-O-4	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, four holes for jumpers and latch locks
374555	V12106-L-O-6	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, six holes for jumpers and latch locks
342565	V12106-C60-O-2	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, two holes for jumpers and lock
342566	V12106-C60-O-4	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, four holes for jumpers and lock
374556	V12106-C60-O-6	12 in. x 10 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, six holes for jumpers and lock
421406	V14126-L-O-BASIC	14 in. x 12 in, x 6 in. NEMA 4X polycarbonate enclosure with solid door, no holes for jumpers and latch locks
342628	V14126-L-O-2	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, two holes for jumpers and latch locks
399919	V141206LO2HC	14 in. x 12 in. x 6 in. 3R heated and cooled polycarbonate enclosure with solid door, two holes for jumpers and latch locks
342629	V14126-L-O-4	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, four holes for jumpers and latch locks
374557	V14126-L-O-6	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, six holes for jumpers and latch locks

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Enclosures

(continued)   Polycarbonate Enclosures

SOLID DOOR

Anixter No.	Vendor No.	Description
399921	V141206L06HC	14 in. x 12 in. x 6 in. NEMA 4X heated and cooled polycarbonate enclosure with solid door, six holes for jumpers and latch locks
342626	V14126-C60-0-2	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, two holes for jumpers and lock
342627	V14126-C60-0-4	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, four holes for jumpers and lock
374558	V14126-C60-0-6	14 in. x 12 in. x 6 in. NEMA 4X polycarbonate enclosure with solid door, six holes for jumpers and lock
399922	V141206C6006HC	14 in. x 12 in. x 6 in. 3R heated and cooled polycarbonate enclosure with solid door, six holes for jumpers and lock

The 1052-HFHS-N wireless LAN access point enclosure is a locking 2 ft. x 2 ft. ceiling tile enclosure designed for the Enterasys HiPath 2620, 3620, 3640 and similar 802.11a/b/g/n access points with three connectors. This aesthetic, white powder-coated steel enclosure has mounting features on the door for the dual-band three input 802.11n antenna (Oberon part number 34-S24493TS36RSM). No ceiling tile cuts are required for installation. UL Listed and OSHPD approved.

Anixter No.	Vendor No.	Description
441746	1052-HFHS-N	2 ft. x 2 ft. drop ceiling enclosure for Enterasys WAPs

Wireless Access Point Enclosures for Drop (Suspended) Ceilings, WAPs with Detachable Antenna

OBERON INC

FEATURES

- Construction: 16-gauge backbox, 14-gauge door; textured white powder-coated steel
- Fully hinged locking door, keyed alike
- Weight: 13 lb. (not including access point or antenna)
- Enclosure must be supported by the building ceiling structural system, not tile gridwork

The model 1052-00 wireless LAN access point enclosure is a locking 2 ft. x 2 ft. ceiling tile enclosure designed specifically for the Cisco 1242, 1232, 1260 and 3500e and Aruba Networks AP-70 access points. The enclosure accommodates most other manufacturers' access points with Oberon's optional universal mounting plate. This aesthetic, white powder-coated steel enclosure has openings in the door for up to seven antennas. No ceiling tile cuts are required for installation. UL Listed and OSHPD approved.

Anixter No.	Vendor No.	Description
441745	1052-00	2 ft. x 2 ft. drop ceiling WAP enclosure with 12.5 in. x 12.5 in. x 4.5 in. box

Wireless Access Point Enclosures for Drop (Suspended) Ceilings with UL Classified ABS Domes

OBERON INC

FEATURES

- 16-gauge backbox, 14-gauge door; textured white powder-coated steel enclosure, UL 94-5VA Classified ABS dome, OSHPD approved
- Enclosure must be supported by the building ceiling structural system, not tile gridwork

The 1055-AN wireless LAN access point enclosure is a locking, 2 ft. x 2 ft. ceiling tile enclosure designed specifically for the Aruba Networks access points with non-detachable antennas (AP-65, AP-121, AP-125, AP-135). This aesthetic, white powder-coated steel enclosure has an impact-resistant, RF-transparent dome that extends only 4.5 in. below the ceiling plane with a fully hinged locking door, keyed alike. The AP enclosure is 12.5 in. x 12.5 in. x 2.6 in. deep at 13 lb. (not including access point or antenna), with a 16-gauge backbox and 14-gauge door frame. No ceiling tile cuts are required for installation. De-rate upper operating temperature limit from +50°C to +40°C when AP in the enclosure.

Anixter No.	Vendor No.	Description
441747	1055-AN	2 ft. x 2 ft. drop ceiling enclosure with ABS dome for Aruba Networks WAPS

Networking and Wireless

Enclosures

The model 1059-00 wireless LAN access point ceiling tile enclosure is deep enough for any access points with non-detachable antennas, with an overall height of less than 5 3/4 in. It is designed to accommodate access points from most manufacturers. This aesthetic, white powder-coated steel enclosure has an impact-resistant, RF-transparent door, which protrudes only 4 in. below the ceiling plane. The AP Enclosure is 18 in. x 18 in. x 2.6 in. deep, 17.5 lb. (not including access point). No ceiling tile cuts are required for installation. UL Listed.

Anixter No.	Vendor No.	Description
441748	1059-00	2 ft. x 2 ft. drop ceiling WAP enclosure with 14 in. sq. x 4 in. ABS dome

Wireless Access Point Mounts for Drop (Suspended) Ceilings for WAPs with Integrated Antennas

OBERON INC

The 1064-00 wireless access point ceiling mount is designed to provide a secure, convenient and aesthetic mounting solution for the Cisco 1140/1260/3500e/3500i series 802.11n access points. This aesthetic, white powder-coated steel 2 ft. x 2 ft. ceiling tile-like mount locks the access point in place with a patent-pending locking mechanism. Access point moves, adds and changes can be performed without removing the mount from the ceiling. No ceiling tile cuts are required for installation. The model 1064-T features a 3/8 ft. bevel in the flange around the perimeter, to match "tegular" ceiling tiles commonly used in new construction and renovations.

FEATURES
- OSHPD approved, OPA #1638
- Construction: 18-gauge textured white powder-coated steel, 16-gauge aluminum backbox
- Enclosure must be supported by the building ceiling structural system, not tile gridwork

| Anixter No.	Vendor No.	Description
433683	1064-00	2 ft. x 2 ft. drop locking drop ceiling mount for Cisco WAPs, 6 lb.
442123	1064-T	2 ft. x 2 ft. locking drop ceiling mount for Cisco WAPs, tegular style flange, 6 lb.

Wireless Access Point Enclosures and Mounts for Securing on Walls or in Hard-lid in Ceilings

OBERON INC

The model 1022-00 wireless LAN access point enclosure is a fully hinged locking door (keyed alike), wall-mounted enclosure, designed to accommodate access points from most manufacturers. It is designed for mounting on indoor hard walls, where secure mounting is required and beveled corners permit easy installation in the corner of the room. This aesthetic, 16-gauge door, 18-gauge backbox, textured white powder-coated steel enclosure has seven knockouts for antennas and cables. The model 1022-00 is large enough to accommodate the Cisco 1250 series and other 802.11n wireless access points with six antennas. Antennas may be mounted externally using optional bulkhead connectors (Oberon part number 35-BULKHDKIT) or Oberon 34-ZDUAL antennas. The enclosure has 11 in. x 12.5 in. x 5.25 in., 4.75 in. useful depth with universal mounting plate in place.

Anixter No.	Vendor No.	Description
441750	1022-00	11 in. x 12.5 in. x 5.25 in. steel, wall mount WAP enclosure, < 7 lb.
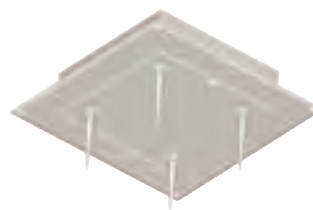
The model 1027-00 wireless LAN access point enclosure is a locking, hard-lid ceiling enclosure, designed to accommodate one access point from most manufacturers for installation in hard-lid ceilings. This aesthetic, white powder-coated steel enclosure has openings in the fully hinged (keyed alike), 14-gauge, locking door for up to four antennas. Antennas may be mounted on the door using optional bulkhead connectors (Oberon part number 35-BULKHD-KIT) or Oberon 34-ZDUAL antennas. The enclosure requires an opening in the ceiling to be created for the 16-gauge back-box, and the flange is then fastened to the ceiling. The flange is 17.5 in. x 17.5 in. and the enclosure has 4 in. of useful depth with universal mounting plate in place. UL Listed and designed to meet NEC300-22 and 300-23 for plenum installations and OSHPD-OPA #1638 approved.

Anixter No.	Vendor No.	Description
441751	1027-00	12 in. x 12 in. x 4.5 in. steel, wall/hard-lid ceiling WAP enclosure, 11 lb.

Enclosures

(continued) Wireless Access Point Enclosures and Mounts for Securing on Walls or in Hard-lid in Ceilings

Many wireless access point manufacturers recommend that the access point be mounted in a horizontal orientation to achieve best wireless coverage. Horizontal mounting may be difficult in hard-lid and other environments where the access point is mounted on the wall. Oberon's 1029-00 wireless LAN access point wall-mount bracket is designed to mount and secure access points from most manufacturers in areas were wall mounting is required*. This aesthetic, white powder-coated steel mounting 18-gauge steel right angle bracket and cover is ideal for mounting the access point in the preferred "horizontal" orientation. Knockouts on two sides and top for 1/2 in. trade size conduit clamps, raceways and cable can be securely terminated inside the enclosure to provide for a clean appearance. The access point can be locked in place using the manufacturer's bracket lock feature.

*Designed for Cisco 1140/1260/3500 series and Aruba Networks AP105 access points. Other access points can be mounted using optional universal mounting plates. Ask your local sales representative for details.

Anixter No.	Vendor No.	Description
441752	1029-00	Right angle wall mounting bracket for WAPs, 9 in. x 6 in. wide x 5 in. tall

The model 1030-00 hard-lid or wall-mount enclosure provides a secure, aesthetic, convenient mounting solution for wireless access points from most vendors. The enclosure is 18-gauge powder-coated steel with a low-profile RF-transparent, impact-resistant ABS dome so that wireless access points with integrated or non-detachable antennas can be secured in otherwise unsecured spaces. The product is designed to satisfy National Electric Code (NEC) paragraphs 300-22 and 300-23 for installation in the air-handling space, UL-94-5VA Classified ABS dome and OSHPD- OPA #1638 approved. Locks are keyed-alike to simplify moves, adds and changes. An optional suspended ceiling flange kit, 1030-FLANGE, permits the model 1030-00 to be mounted in a standard 2 ft. x 2 ft. suspended ceiling system The dome is 13 in. x 13 in. x 2 in., and weighs 6 lb. (not including access point). Enclosure must be supported by the building ceiling structural system, not tile gridwork.

Anixter No.	Vendor No.	Description
441753	1030-00	17 in. x 17 in. x 3.75 in. wall mount WAP enclosure with ABS dome
442124	1030-FLANGE	24 in. x 24 in. flange to mount 1032-00 in suspended ceiling

The model 1032-00 hard-lid or wall-mount enclosure provides a secure, aesthetic, convenient mounting solution for smaller wireless access points from many vendors. This economical enclosure has a low-profile, 16-gauge steel backbox, impact-resistant, RF-transparent ABS dome so that wireless access points with integrated or non-detachable antennas can be secured in otherwise unsecured spaces. The product is designed to provide an unobtrusive mounting solution. Locks are keyed-alike to simplify moves, adds and changes. UL 94-5VA Classified.

Anixter No.	Vendor No.	Description
441754	1032-00	11 in. x 11 in. x 3 in. wall-mount WAP enclosure with ABS dome
441924	1082-00	22 in. x 22 in. x 4 in. network cabinet with ABS dome

Wireless Access Point Enclosure for Indoor/Outdoor Installation (NEMA 4)

OBERON INC

The model 1025-00 wireless LAN access point enclosure is a 30 percent fiberglass reinforced polyester NEMA 4 construction, grey, paintable, virtually transparent to RF signals. This indoor/outdoor enclosure has a locking door, and is designed to accommodate access points with detachable or non-detachable antennas from most manufacturers. Designed to enable NEMA 4 installations when properly sealed antennas and cable feeds are installed, this construction is virtually transparent to radio frequency signals.

FEATURES

- Designed for wall or mast mounting indoors or outdoors, where secure mounting is required
- Two 3/4 in. trade size cable feed-through openings in the bottom
- Typical temperature rise is < 10°C with powered access point; to avoid excessive heat build-up in the enclosure, avoid direct exposure to sunlight
- UL Listed and tested to UL508-4X requirements

- Fully hinged locking door, weatherproof lock; door has a neoprene perimeter gasket

Anixter No.	Vendor No.	Description
441755	1025-00	13 in. x 15 in. x 6.5 in. NEMA 4 fiberglass reinforced WAP enclosure, 10.5 lb.

Telecommunications Enclosures and Cabinets for the Work Area

OBERON INC

FEATURES

- Enclosure must be supported by the building ceiling structural system, not tile gridwork
- UL Listed and designed to satisfy NEC 300-22 and 300-23
- Weight does not include internal equipment

The model 1070-00 workspace telecommunications enclosure is ideal for structured cabling and Fiber-to-the-Enclosure (FTTE) deployments. This enclosure offers flexibility by securing networking and A/V components in the workspace where they are needed. Mounting access switches in the workspace brings bandwidth closer to the user, and reduces congestion in the telecom room. The model 1070 enclosure mounts in a standard 2 ft. x 2 ft. ceiling gridwork, and has a clean aesthetic style created to blend into any building design. The enclosure's highly perforated 14-gauge powder-coated aluminum door allows for quiet, fanless airflow to cool enclosed equipment. De-rate networking equipment by 13ºF (comparable to the temperature rise in an open rack). The 16-gauge power-coated aluminum backbox opening includes a standard (1U) rack-mountable patch panel and a CCH fiber optic adapter panel (not included). It is designed to accommodate up to two standard (1U) rack-mountable components.

Anixter No.	Vendor No.	Description
441756	1070-BL	2 ft. x 2 ft. x 5 in. black ceiling mounted workspace telecom enclosure, 7lb.
441757	1070-WH	2 ft. x 2 ft. x 5 in. white ceiling mounted workspace telecom enclosure, 7lb.

The model 1072-00 is a locking 2 ft. x 2 ft. ceiling tile telecommunications enclosure designed for multiple networking components including wireless access points, DAS remote access units, smaller access switches, fiber optic adapter panels and rack-mounted patch panels. The enclosure includes a universal mounting plate for access points and 19 in. brackets for rack-mountable components ((2U) deep equipment, opening in backbox for 19 in. patch panel). It has a fully hinged locking door, keyed alike with a 24 in. x 24 in. flange. This aesthetic, white, powder-coated aluminum enclosure with a 14-gauge backbox has openings in the 12-gauge door for up to thirteen external 802.11 or cellular antennas. No ceiling tile cuts are required for installation. OSHPD approved OPA #1638 (up to 25 lb. total weight).

Anixter No.	Vendor No.	Description
441758	1072-00	22.5 in. x 22.5 in. x 4.5 in. ceiling mounted workspace telecom enclosure, 11.5 lb.

Wireless LAN (Wi-Fi) Antennas for Oberon Enclosures

OBERON INC

FEATURES

- Dual-band antenna with RP-SMA connector
- VSWR is < 2:1

The 34-ZDUAL antenna, when installed in Oberon's ceiling tile enclosure, provides superior pattern coverage for indoor applications operating in 2,400-2,500 MHz, as well as in 4,900 to 5,825 MHz. This economical antenna provides industry-leading wideband performance and omnidirectional gain. It features an attractive, compact package that is ideal for indoor applications where aesthetics are important. This UL 94V-0 antenna is color matched to Oberon's ceiling enclosures.

Anixter No.	Vendor No.	Description
441759	34-ZDUAL-RPSMA	1.75 in. tall x 1.63 in. diameter, gain is 4 dBi in both the 2.4 GHz and 5-6 GHz band, cable is 16 in. type CL2P plenum rated RG-58/U

The 34-S24493TS36RSM antenna, when installed in Oberon's 1052-HFHS-N ceiling tile enclosure door, provides superior pattern coverage for indoor applications operating in 2,400-2,500 MHz, as well as in 4,900 to 5,825 MHz. This economical antenna provides industry-leading wideband performance and omnidirectional gain for 802.11n access points with three connectors. It features an attractive, compact package that is ideal for indoor applications where aesthetics are important. This antenna is color matched to Oberon's ceiling enclosures.

Anixter No.	Vendor No.	Description
441925	34-S24493TS36RSM	Three input, 12 in. x 3.6 in. x 0.9 in. tall, gain is 3 dBi at 2.4 GHz and 4 dBi in 5-6 GHz band, cable is 3 x 36 in. type CL2P plenum rated RG-58/U

Networking and Wireless

Enclosures

Domed Wireless Ceiling Enclosure

CHATSWORTH PRODUCTS INC (CPI)

The AAT-ACE-DOME is a ceiling-mount enclosure for wireless access points designed for use in open office spaces. AAT-ACE-DOME replaces a single 2 ft. x 2 ft. drop ceiling tile. The opaque dome is 14 in. in diameter and projects 6.5 in. below the drop ceiling. The dome is mounted on a fully hinged locking door providing easy access to equipment and cables for authorized technicians only.

FEATURES

- Features one 3 in. W x 3/4 in. H edge-protected cable access port with approved foam sealing kit
- Includes removable 6 7/8 in. L x 8 7/8 in. W equipment mounting plate pre-drilled for various wireless transmitters
- Includes two sets of standoffs to adjust the height of the mounting plate within the dome
- Enclosure: 23.75 in. W x 23.75 in. L x 3 in. D, sheet aluminum, white
- Dome: 6.5 in. high, 14 in. diameter, white plastic
- Product weight: 10.5 lb.
- Customer must provide threaded rod and installation hardware

Anixter No.	Vendor No.	Description
251030	AAT-ACE-DOME	Domed Wireless Ceiling Enclosure, 23.75 in. W x 23.75 in. L x 3 in. D

Large Wireless Wall-mount Enclosures

CHATSWORTH PRODUCTS INC (CPI)

The AAT-WMESG-P and AAT-WME-P are wall-mounted enclosures for wireless transmitters designed for warehouse, manufacturing/light industrial and exterior use. A single front door provides access to equipment. The door is attached with a continuous steel hinge and secured by padlock through two stainless steel padlock hasps. A gasket seals the interior at closure.

FEATURES

- Enclosure is completely sealed, customer drills hole to fit application
- Removable interior back plate pre-drilled for wireless transmitters
- Secure enclosure with (two) padlocks, 3/8 in. maximum shackle diameter, not included
- Available with a plexi window in the door or a solid door
- Enclosure: fiberglass reinforced polyester, white
- Window and back plate: acrylic plastic
- Product weight: 7.5 lb.
- Enclosure: 15.5 in. H x 13.5 in. W x 6 in. D
- The interior of the enclosure is 5 in. deep
- Maximum equipment size is 13.5 in. x 11.5 in. x 5 in.
- Customer must provide installation hardware
- NEMA 1, 2, 3, 3R, 4, 4X, 12 and 13

WITH PLEXI WINDOW

Anixter No.	Vendor No.	Description
251026	AAT-WMESG-P	Large wall-mounted enclosure with Plexi window

WITH SOLID DOOR

Anixter No.	Vendor No.	Description
251025	AAT-WME-P	Large wall-mounted enclosure with solid door

Ceiling-mounted Wireless Access Point Enclosures

CHATSWORTH PRODUCTS INC (CPI)

Wireless ceiling enclosures provide a secure, enclosed space for wireless access points, routers and the network connections for these devices. Ceiling enclosures are placed above the acoustical ceiling. Equipment mounts to the enclosure door for easy access. The faceplate on the door can be changed to match equipment. The door is flush with the ceiling when in the closed position. Holes in the doors allow antennas to project below the ceiling.

FEATURES

- Several styles available
- Fits within a 2 ft. x 2 ft. acoustical ceiling tile
- Includes foam to seal the cable access port
- Made of strong, lightweight aluminum

WIRELESS CEILING ENCLOSURES WITHOUT FACEPLATES

Anixter No.	Vendor No.	Description
261044	AAT-CAP	14.5 in. L x 12 in. W x 10 in. D, white
318608	AAT-CAP-10-P	14.5 in. L x 12 in. W x 13 in. D, white, with junction box
288054	AAT-CAP-S	14.5 in. L x 12 in. W x 5 in. D, white

FACEPLATES

Anixter No.	Vendor No.	Description
261048	AAT-CAP-00	Blank faceplate, white
318609	AAT-CAP-UNI	Universal faceplate
374813	AAT-CAP-1232	Faceplate for Cisco Aironet 1232, white
374814	AAT-CAP-1242	Faceplate for Cisco Aironet 1242, white

ASSEMBLED KITS

Anixter No.	Vendor No.	Description
318610	AAT-CAP-00-KIT	AAT-CAP enclosure with blank (solid) faceplate
318611	AAT-CAP-UNI-KIT	AAT-CAP enclosure with universal faceplate
395879	AAT-CAP-1232-KIT	AAT-CAP enclosure with faceplate for Cisco Aironet 1232
395872	AAT-CAP-1242-KIT	AAT-CAP enclosure with faceplate for Cisco Aironet 1242
318614	AAT-CAP-S-00-KIT	AAT-CAP-S enclosure with blank (solid) faceplate
318615	AAT-CAP-S-UNI-KIT	AAT-CAP-S enclosure with universal faceplate
374823	AAT-CAP-S-1232-KIT	AAT-CAP-S enclosure with faceplate for Cisco Aironet 1232
374824	AAT-CAP-S-1242-KIT	AAT-CAP-S enclosure with faceplate for Cisco Aironet 1242

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Enclosures

PANZONE Wireless Access Point Enclosure

PANDUIT

FEATURES

- Specifically designed for use with Cisco and other popular wireless access points
- Lockable enclosure protects against tampering, vandalism and theft
- Complies with UL 2043
- Door knockouts allow multiple antenna configurations
- Optional ceiling bracket kit allows enclosure to be mounted in the ceiling for design flexibility and optimum wireless coverage
- Optional 2 ft. x 2 ft. ceiling bracket kit eliminates cutting the ceiling tile because bracket replaces standard 2 ft. x 2 ft. ceiling tile

PANZONE WIRELESS ACCESS POINT ENCLOSURES

Anixter No.	Vendor No.	Description
433670	PZWC35I	For Cisco Aironet 1140 and 3500 series, integral ceiling tile enclosure
433664	PZWC35	For Cisco Aironet 1140 and 3500 series, wall- or ceiling-mount enclosure
373093	PZWIFIEN	For Cisco Aironet 1250 series
373094	PZWIFIENA	For Cisco Aironet 1250 series utilizing Cisco patch antennas (AIR-ANT5140V-R and/or AIR-ANT2430V-R)
305896	PZWIFIE	For Cisco Aironet 1200 series
323385	PZWIFIED	For Cisco Aironet 1230 and 1240 series
348528	PZWIFIEA	For Cisco Aironet 1200, 1230 and 1240 series utilizing Cisco patch antennas (AIR-ANT5145V-R and/or AIR-ANT5959)
323383	PZWIFIEW	For Cisco Aironet 1130 series
443511	PZWIFIER	For Aruba AP-124 and AP-125 series
351802	PZWIFIEH	For HP ProCurve 420, Foundry IP200 and Enterasys RBT-4102 series

CEILING BRACKET KITS

Anixter No.	Vendor No.	Description
305893	PZWIFICB	Ceiling bracket kit for PZWIFIE and PZWIFIEW
323386	PZWIFIDCB	Ceiling bracket kit for PZWIFIEN, PZWIFIENA, PZWIFIED, PZWIFIEA, PZWIFIEH
330748	PZW2X2CB	2 ft. x 2 ft. ceiling bracket kit for PZWIFIE and PZWIFIEW
330749	PZW2X2DCB	2 ft. x 2 ft. ceiling bracket kit for PZWIFIEN, PZWIFIENA, PZWIFIED, PZWIFIEA and PZWIFIEH

PANZONE NEMA 4X and IP66-rated Wireless Access Point Enclosures

PANDUIT

FEATURES

- NEMA 4X and IP66 rating protects against corrosion, windblown dust and rain, splashing water and hose-directed water
- Universal design accommodates the most popular wireless access points including Cisco Aironet 1200, 1230, 1240, 1250 and 1300 Series
- Fiberglass construction and aluminum mounting plate allows quick and easy access point installation
- UL 508A Listed and approved
- Includes pre-configured mounting template
- Provisions for padlocks to protect against tampering and theft
- Optional NEMA 4X rated fittings available in various sizes
- Optional NEMA 4X drain and vent kit
- Connectivity accessory kit (included): two-position outlet box, MINI-COM TX6 PLUS Jack Module, TX6 PLUS Patch Cord, silicone sealant and grounding cable
- Shielded connectivity accessory kit also available

WIRELESS ENCLOSURES DESIGNED FOR POWER OVER ETHERNET APPLICATIONS
External dimensions: 13.56 in. H x 13.47 in. W x 6.56 in. D, Internal dimensions: 11.70 in. H x 11.70 in. W x 6.29 in. D

Anixter No.	Vendor No.	Description
361215	PZNWE12	Includes UTP connectivity kit
399992	PZNWE12S	Includes shielded connectivity kit

WIRELESS ENCLOSURES DESIGNED FOR TRADITIONAL AC POWER APPLICATIONS
External dimensions: 15.50 in. H x 13.50 in. W x 6.25 in. D, Internal dimensions: 13.53 in. H x 11.55 in. W x 5.94 in. D

| Anixter No.	Vendor No.	Description
349321	PZNWE14	Includes UTP connectivity kit
399993	PZNWE14S	Includes shielded connectivity kit

NEMA 4X RATED FITTINGS AND ACCESSORIES

Anixter No.	Vendor No.	Description
399994	PZNF1	NEMA 4X rated compression fitting, ideal for cable diameters of 0.115 in. to 0.250 in.
361217	PZNF2	NEMA 4X rated compression fitting, ideal for cable diameters of 0.230 in. to 0.395 in.
399995	PZNF3	NEMA 4X rated compression fitting, ideal for cable diameters of 0.170 in. to 0.450 in.
361216	PZNDVK	NEMA 4X drain and vent kit

Wireless Enclosure Solutions

WIREMOLD

OVERHEAD WIRELESS ACCESS POINT BRACKET
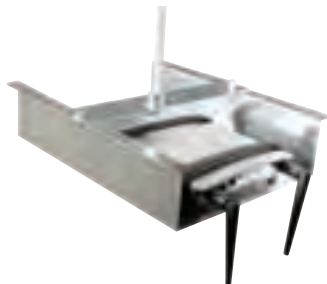
The new Wireless Access Point Mounting Bracket provides a secure support for mounting wireless access points in overhead applications. The bracket can be mounted directly to basket tray or threaded rod, or to threaded rod attached to cable tray. Wireless access points mounted in the Wireless Access Point Mounting Bracket can be located for high visibility, convenience and optimal Wi-Fi signal coverage.

Anixter No.	Vendor No.	Description
316246	WAPBRKT	Overhead access point, 12 3/4 in. long x 9 1/2 in. wide x 3 1/8 in. deep opening

WIRELESS ACCESS POINT CEILING ENCLOSURE

The new Wiremold Wireless Access Point Ceiling Enclosure provides a secure enclosure for mounting wireless access points into a grid ceiling system. The enclosure provides a permanent location that will accommodate wireless access points from most leading manufacturers. Designed for easy assembly, the enclosure can be fully assembled into a ceiling tile on a regular work surface before being installed into the overhead ceiling grid system. The cover, which is also removable, has knockouts that can accept a variety of antenna configurations. The enclosure is constructed of lightweight aluminum and painted with a textured white powder coat finish to blend aesthetically with most ceiling finishes. Specific kits to mount the most popular wireless access points are available as well as custom enclosure sizes.

Anixter No.	Vendor No.	Description
316247	WAPENCL	12 in. x 4 in. x 12 in.
324309	WAPENCL-24-24-4	24 in. x 24 in. x 4 in.
374631	WAPE10-1200KIT	24 in. x 24 in. x 10 in., for use with Cisco Aironet 1200
374632	WAPE10-1232KIT	24 in. x 24 in. x 10 in., for use with Cisco Aironet 1232
374633	WAPE10-1242KIT	24 in. x 24 in. x 10 in., for use with Cisco Aironet 1242

Anixter No.	Vendor No.	Description
374634	WAPE10-DOME	24 in. x 24 in. x 10 in. with 14 in. diameter by 6.5 in. deep transmission dome
374635	WAPE10-UNIKIT	24 in. x 24 in. x 10 in., universal kit for use with most wireless access points

NONMETALLIC ACCESS POINT MOUNTING ENCLOSURE

The Nonmetallic Access Point Mounting Enclosure conceals wireless access points in a durable UL/C(UL) Listed enclosure. Designed to provide a permanent location for wireless connectivity hardware within the communications infrastructure of a building, the enclosure can be easily secured to any structure allowing optimal Wi-Fi signal coverage to adjacent spaces while supporting industry standard PoE (Power over Ethernet).

Anixter No.	Vendor No.	Description
316245	NMAPME	Wall access point, 13 1/4 in. high x 7 3/4 in. wide x 2 1/2 in. deep interior

VISTA WIRELESS ACCESS POINT ENCLOSURE

The Vista Series provides a means for integrating the access points necessary for wireless connectivity into a communications infrastructure of a building. Access points installed in a Vista column can be located throughout an office space to provide optimal Wi-Fi signal coverage in a secure, yet accessible, environment having built-in connectivity and power options. In addition, the wireless access point enclosure is also available as an option with many of the large-frame Vista column configurations to take advantage of the full range of Vista aesthetic and functional capabilities.

Anixter No.	Vendor No.	Description
354244	VLWAP	Open space access point

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Accessories

Access Point Mount

TERRAWAVE SOLUTIONS

Anixter No.	Vendor No.	Description
399974	TW-UMB-BR1300KIT1	Articulating access point mount for Cisco BR1300

Cisco In-building Site Survey Kit

TERRAWAVE SOLUTIONS

Designed to provide cutting-edge survey capabilities, the In-building Site Survey Kit is complete with accessories crucial to performing professional site surveys. Complete kits are available in 802.11a/b/g and 802.11n.

All kits include a variety of essential site survey tools including one or more of the following products: Cisco Access Point, cardbus adapter, a variety of TerraWave antennas including rubber duck, indoor omnidirectional and patch antennas, TerraWave Site Survey Battery Pack, TerraWave RJ45 green (802.3af) PoE cable, TerraWave RJ45 green (Cisco) PoE cable, TerraWave power supply for battery pack, TerraWave travel case with custom foam cutout, measuring wheel, 50 access point marking locators, duct tape, zip ties, Velcro, pens, colored tape and other accessories.

FEATURES

- One durable and transportable carrying case
- Designed for high-caliber site survey professionals
- Airline-approved travel case
- Custom cut foam inserts
- Wheels and handle for easy transport

SITE SURVEY KITS

Anixter No.	Vendor No.	Description
326518	SSKMINI-01-TW	Site survey essentials kit
326520	SSK-001-TW	Semi-loaded site survey kit with antenna
326521	SSK-005-TW	Totally loaded 802.11a/b/g kit
399863	SSK-001-TW-MIMO	MIMO site survey essentials kit
399864	SSK-005-TW-MIMO	MIMO totally loaded site survey kit

Networking and Wireless